Dreambox DM 800 HD PVR

Bedienungsanleitung

Digitaler Satellitenempfänger zum Empfang von freien und verschlüsselten DVB-Programmen mit optionaler digitaler Aufzeichnungsmöglichkeit.

HDTV

Mit Netzwerk-Schnittstelle
Anschluss für interne SATA Festplatte

DVB-S2 Tuner steckbar
Smartcard Leser
Linux OS

User Manual

Digital satellite receiver for free and encrypted Digital Video Broadcasting (DVB) with optional digital recording capability.

HDTV

Ethernet-Port 10/100 MBit
internal SATA harddisk connector

DVB-S2 Tuner plugable
Smartcard Reader
Linux OS

Table of contents

1. Before initial operation of the receiver

1.1 Safety instructions 6

1.2 Packaging contents 9

1.3 Views 10

1.3.1 Explanation front panel 11

1.3.2 Explanation rear panel 11

1.4 Remote control 13

2. Installation

2.1 Turning the device on 19

3. Start wizard

3.1 Video output selection 20

3.2 Language selection 22

3.3 Tuner setup 23

3.4 Service scan 23

3.5 Parental control 24

4. Basic operation

4.1 Turning your Dreambox on and off 25

4.2 Service selection 26

4.3 Changing channels using the service list 26

4.4 Controlling the volume 26

4.5 Changing the audio track 26

4.6 Sub services 27

4.7 TV/Radio switching 27

4.8 Teletext 27

4.9 Subtitles 27

4.10 Infobar 28

5. Electronic Program Guide - EPG

5.1 Single-EPG 29

5.2 Multi-EPG 30

5.2.1 Time/Date Input 31

6. Edit the channellist

6.1 Add a bouquet 32

6.2 Add a service to favorites 34

6.3 Adding multiple services to a bouquet 35

6.4 Remove a service from favorites 36

6.5 Moving a service to favorites 37

6.6 Adding a marker to favorites 38

6.7 Parental control 40

7. Hard disk operation

7.1 Mounting guidelines 43

7.2 Management 49

7.2.1 Initialization 50

7.3 Recording 51

7.3.1 Instant recording 51

7.3.2 Stop recording 52

7.3.3 Recording by timer 52

7.3.4 Time shift 54

7.4 Watch a recording 55

7.5 Setting a marker (Bookmarks) 57

7.6 Delete a recording 58

7.7 Movielist options 59

8. Teletext 61

9. Sleep timer 63

10. Setup

10.1 Language selection 64
10.2 Customize 65
10.3 Timezone 67
10.4 A/V Settings 68
10.5 OLED Display 71
10.6 Network 72
10.7 Skin 74
10.8 Factory reset 75

11. Service searching

11.1 DVB-S Tuner configuration 76
11.1.1 Single satellite – direct connection 77
11.1.2 Two satellites via Toneburst A/B 78
11.1.3 Two satellites via DiSEqC A/B 79
11.1.4 Four satellites via DiSEqC A/B/C/D 80
11.1.5 Stab positioner using USALS 81
11.1.6 Stab positioner without USALS 82
11.2 DVB-C Tuner configuration 83
11.3 DVB-T Tuner configuration 85
11.4 Automatic scan 86
11.5 Manual scan 88

12. Updating the software

12.1 Backing up your settings 89
12.2 Restoring your settings 90
12.3 Installing new software 81
12.3.1 Installing new software using the DreamUP program 91
12.3.2 Installing new software using your web browser 94

13. System information

13.1 Service 97

13.2 About (Hard- and Software) 98

14. Troubleshooting 99

15. TV-Mode setup

15.1 Programming the remote control 100

16. Technical data 101

17. Features 104

18. Contact & support information 105

19. Copyright notes 106

19.1 GNU GPL (General Public License) 107

20. Menu overview 110

21. Service Slip ..... as PDF attachment

Note: The Dreambox DM 800 HD PVR carries the CE-Sign and fulfills all requirements from the EU. Subject to change without prior notification.

1. Before initial operation of the receiver

1.1 Safety instructions

Please read the safety instructions completely and carefully, before using the Dreambox. The Manufacturer takes no responsibility for damages as a result of incorrect handling of the Dreambox.

- Allow enough space around the Dreambox for sufficient ventilation.
- Do not cover the top of the Dreambox and allow enough space to other devices. The louvers of the devices must be free at all times to allow sufficient heat transfer from inside the device.
- Never put vases or any other liquid filled containers on top of the device. Do not expose the device to dripping or splashing liquids.
- Do not place open flame sources, such as lit candles, on top of the device.
- The device may only be operated in moderate climate.
- Do not remove the cover. Risk of electric shock. If it is necessary to open the device please contact a trained professional.

- Do not put any metal things into the slots or ventilation openings.
- The installation of a hard disk is only allowed by skilled personal or your local dealer.

Attention!

Modifications and changes to the Dreambox lead to loss of warranty if not performed and documented by skilled personal.

We recommend the installation of a hard disk by your local dealer. Unskilled installation of a hard disk leads to loss of warranty.

Shut down

- In case your Dreambox is in use for a longer period of time disconnect the power plug from the power outlet.
- During thunder storm the unit should also be physically disconnected from the power outlet.

Additional safety instructions

- (Dis-)Connecting to a LNB:
  Turn the Dreambox off before you connect or disconnect a cable coming from or going to a LNB.
- Connecting to a TV:
  Before connecting or disconnecting your Dreambox to/from a TV please turn it off.
- In case you notice any damage to the power cord or power plug immediately disconnect the device from the power outlet.
- In case the device was exposed to humidity immediately disconnect the device from the power outlet.
- In case you notice any serious damage to the outer shell of the device immediately disconnect the device from the power outlet.
- Do not expose the Dreambox to direct sunlight, lightning or rain.
- Grounding:
  The LNB cable must be grounded.
  The grounding system must meet SABS 061 requirements.
- Cleaning:
  Disconnect the mains power cord before cleaning the cover. Use a slightly damp cloth without cleaning agents.
- Connect the Dreambox only to suitable sockets. Do not allow overloads to occur.
- Please be careful that the batteries of your remote control are not exposed to heat, since they might explode.

Disposal instructions

The packaging of the Dreambox only consists of reusable materials. Please recycle if possible.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Please note that empty batteries and electric waste is not to be put into the regular garbage.

1.2 Packaging contents

Please check the completeness of the box's contents.
Included in box:

Dreambox DM 800 HD PVR

Remote control

2 Batteries
(1,5V Mignon / AA / LR6)

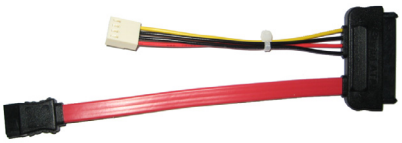
1 Power supply
DVE Modell: DSA-36W-12

1 User manual (most recent version online:
http://www.dream-multimedia-tv.de)

1 Power cord

1 DVI to HDMI cable

1 Rear panel for C/T-Tuner operation

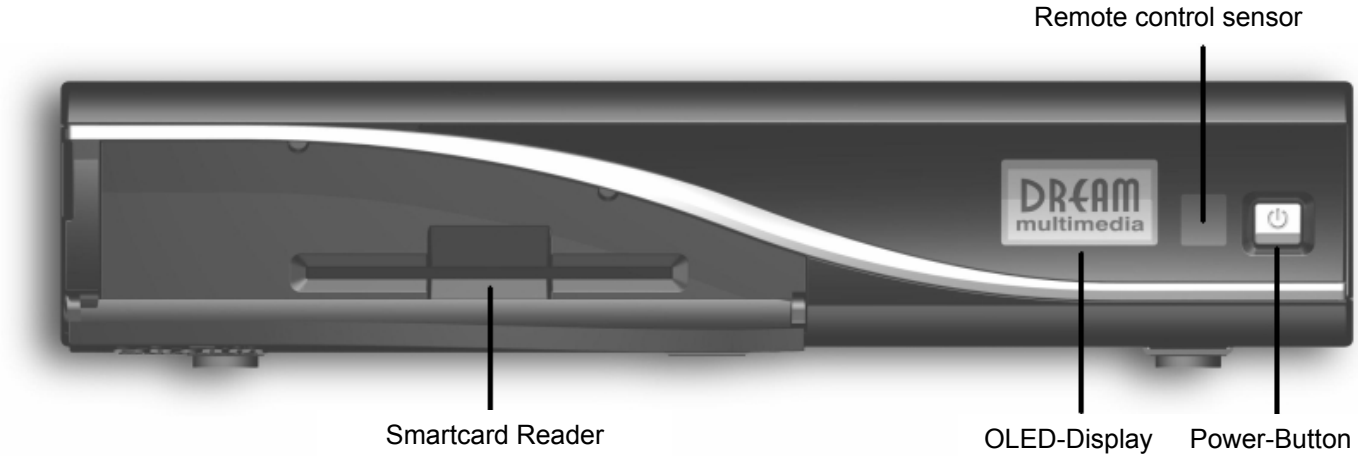


1 SATA cable including power cord
for a 2,5“ SATA-Harddisk

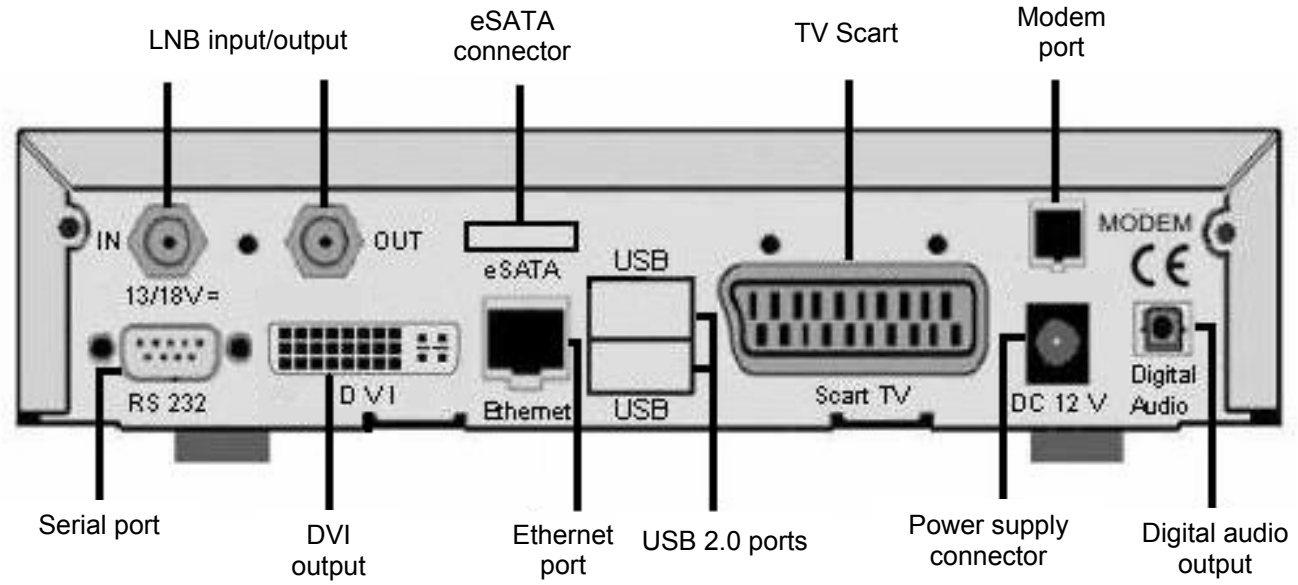
1 Scart to Video/Audio-Adapter

1.3 Views

Front view



Rear view



1.3.1 Explanation Front Panel

Smartcard reader

Insert your Dreamcrypt Smartcard with the golden chip facing down and forward into one of the two Smartcard reader slots. Dreamcrypt is a registered trademark of Dream-Multimedia.

OLED-Display

The OLED-Display shows all major information.

Remote control sensor

The remote control sensor receives the infrared signals of the Dream Remote Control.

Power button

The Power-Button switches your Dreambox on and off.

1.3.2 Explanation rear panel

LNB input (DVB-S Tuner)

Connect the coaxial cable from your LNB here.

LNB output (DVB-S Tuner)

You can connect an analog/digital receiver here. Remember to shutdown your Dreambox into Deep-Standby-Mode in order for the receiver to work.

Antenna in (DVB-C/T Tuner)

Connect the coaxial cable from your antenna here.

Antenna out (DVB-C/T Tuner)

You can optionally connect your TV or VCR here.

eSATA connector

You can connect an external SATA Hard disk.
Note: Please note, that this connector only works, if no hard disk is installed internally.

Modem port

You can optionally connect your Dreambox to your ISP via the Modem Socket using a phone line.

Serial port (RS232C, Sub-D, 9-pol.)

The Serial Port is used to update the operating system. Please connect a serial null modem cable here.

Network interface (Ethernet 10/100Mbit, RJ45)

The Communication Port is an Ethernet port. It is used to communicate with your Dreambox via HTTP, FTP, NFS, Telnet and Samba to access your recorded movies, to upload channel lists, etc. This port is also used to update the operating system of your Dreambox. Please use a regular patch cable to connect your Dreambox to your LAN.

DVI output

You can connect a TV to the DVI out of your Dreambox if your TV has the right input.

USB 2.0 ports

The USB 2.0 Port is designed for devices that support the USB 2.0 standard. The amount of supported USB devices depends on the installed image (Software) and is still under development.

TV Scart

Connect your TV, projector or beamer to your Dreambox using a Scart cable.

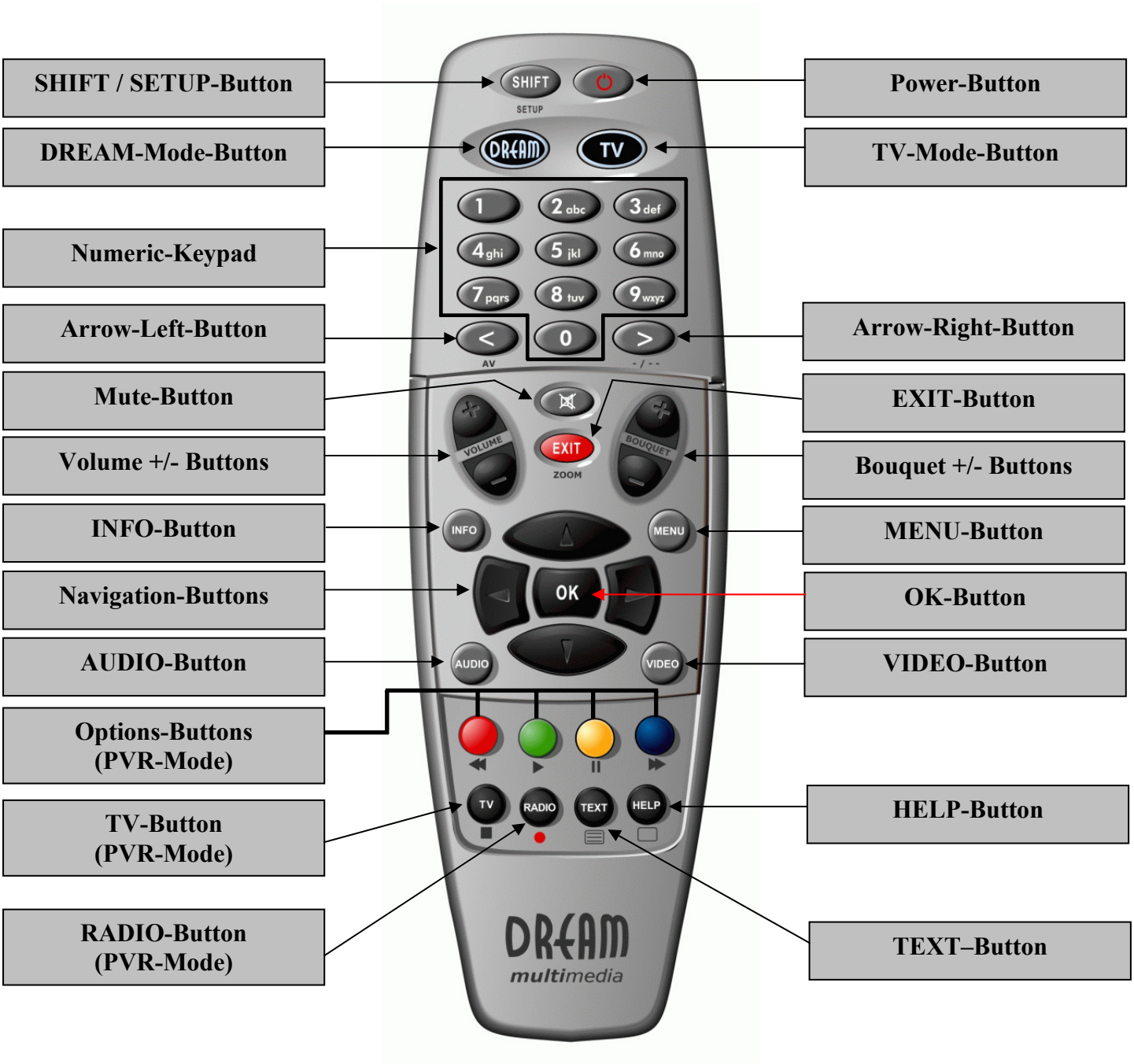
Power supply connector

Plug the power cable of the power supply that came with your Dreambox into power outlet. Connect your power supply to your Dreambox. You must not connect the power plug of the power supply to anything other than a socket that supplies 230V/50Hz.

Digital audio output (Toslink)

You can connect your Dreambox with an optical (Toslink) cable to your HiFi-Amplifier or DSP. The AC3 signal is also available at this port in case the selected channel transmits Dolby Digital signals.

1.4 Remote control



Important notes about operation

All functions of the Dreambox can be controlled via OSD-Menu (On-Screen-Display). This makes the handling of the Dreambox very easy for you. All options are indicated by four colored dots or beams (**red, green, yellow, blue**) in the OSD-Menu and can be started with the Option-Buttons on the Remote Control.

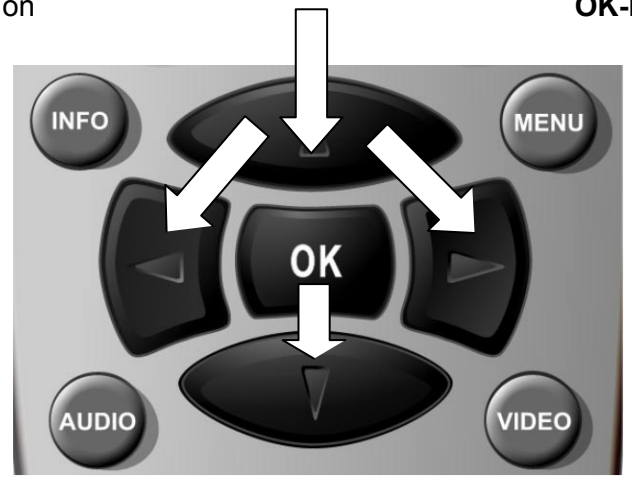
Depending on the chosen Menu, these options do vary.

The **Options-Buttons** of your remote control have multiple functions. You will notice control symbols below the four colored **Options-Buttons**, the **TV-** and the **RADIO-Button**. In PVR-Mode these buttons are used to control the digital recording according to their symbols.
Pressing the **VIDEO-Button** on your remote control will activate the PVR-Mode. The Infobar will also indicate this. It changes from showing the channel information to showing the control symbols for the PVR-Mode. (also see ***7.3.1. Instant recording***)

All Menus and Service lists are closed with the **EXIT-Button.**

In general the menus are controlled using the **Navigation-Buttons** on your remote control.

Navigation-Buttons



To get into a submenu you have to press the **OK-Button**.

Explanation remote control buttons

SHIFT / SETUP-Button

The **SHIFT/ SETUP-Button** is used to preprogram the remote control to operate a TV.
See chapter ***15. TV-Mode setup***.

Power-Button

The **Power-Button** switches your Dreambox on and off.
See chapter ***4.1 Turning your Dreambox on and off***.

DREAM-Mode-Button

The **DREAM-Mode-Button** switches your remote control into Dreambox control mode. It will shortly light up once your press the button.

TV-Mode-Button

The **TV-Mode-Button** switches your remote control into TV control mode to control your preprogrammed TV. It will shortly light up once your press the button.
See chapter ***15. TV-Mode setup***.

Numeric-Keypad

Enter a service number to directly access the option by using the **Numeric Keypad**. The service numbers are on the left side of the service list.

The **Numeric Keypad** can also be used to enter the Teletext page number.

Arrow-Left-Button **Arrow-Right-Button**

The **Arrow-Left** and **Arrow-Right-Button** enable you to jump back and forth between the last 20 channels you have watched. If you have selected a sub service (*see chapter 4.6*) you can use these buttons to switch to the next sub service.

During text input the **Arrow-Left-Button** will delete the character left to the current position and the **Arrow-Right-Button** will delete the character right to the current position.

Mute-Button

Pressing the **MUTE-Button** mutes the Volume. A crossed speaker symbol will appear on the TV screen. Pressing it again or pressing one of the **Volume +/- Buttons** brings back the audio.

The Mute-Button deletes a character during text input.

EXIT-Button

You can leave all menus and service lists by pressing the **EXIT-Button**.

Volume +/- Buttons

The **Volume +/- Buttons** control the volume of the audio. Pressing **+** will make turn it up and pressing **-** will turn it down.

Bouquet +/- Buttons

Pressing the **Bouquet +/- Buttons** will jump back and forth between the bouquets.

INFO-Button

If no OSD menu is visible on the screen and you are in TV or RADIO-Mode, pressing the **INFO-Button** will reveal the EPG information of the chose channel if it is available.

Navigation-Buttons

In general the menus are controlled using the **Navigation-Buttons** on your remote control. To get into a submenu you have to press the **OK-Button**.

OK-Button

By pressing the **OK-Button** you confirm a selection in the menu or service list navigation.

If no OSD menu is present on your screen, the Infobar is shown once you press the **OK-Button**.

MENU-Button

If you are in TV- or RADIO-Mode, pressing this button will bring up the OSD main menu. The OSD main menu has the following options:

You can switch to the needed option by pressing the **Navigation-Buttons up** or **down**.

If you are in the service list, pressing the **MENU-Button** brings up the service menu. The shown options may vary depending on the service list you selected.

AUDIO-Button

By pressing the **AUDIO-Button** you can choose the different audio tracks offered by the station.

VIDEO-Button

Pressing the **VIDEO-Button** activates the PVR-Mode. The Infobar will show the control symbols. You can instantly start recording by pressing the **red Options-Button** on your remote control.

Options-Buttons (PVR-Mode)

All possible options are shown by the four colored dots/blocks (red, green, yellow, blue) and can be activated by the **Options-Buttons**. These buttons have multiple functions and are also used to control the PVR-Mode.

Depending on the menu you currently are in the options will change and will be named differently.

TV-Button (PVR-Mode)

Pressing the **TV-Button** activates the TV-Mode. In PVR-Mode this button is mapped with the stop function as indicated by the small square underneath it.

HELP-Button

Pressing the **HELP-Button** activates the Help menu.

RADIO-Button (PVR-Mode)

Pressing the **RADIO-Button** activates the RADIO-Mode.

TEXT–Button

The **TEXT-Button** activates the Teletext.

2. Installation

2.1 Turning the device on

- Place the batteries inside the battery compartment of the remote control keeping in mind the right polarity.

- Before using the Dreambox, please read the safety instructions (See chapter ***1.1 Safety instructions***)

- Connect the LNB or antenna with a coaxial cable to LNB in or Antenna in at your Dreambox.
  See chapter ***1.3.2 Explanation rear panel***.

- Connect the Dreambox to your TV using a DVI- or Scart-cable.

- Plug in the power cable into the Dreambox and then into a 110V/60Hz or 230V/50Hz power socket.

- If you are using a switchable power socket please shutdown your Dreambox into deep standby before switching off the power socket. See chapter ***4.1 Turning your Dreambox on and off***

- If you switch on your Dreambox for the first time, you will see the setup wizard.
  The setup wizard will guide you through the first time installation. Follow the instructions on the screen. See chapter ***3. Start wizard***.

- Please note that the factory setting for the video format is CVBS (FBAS).

3. Start wizard

The start wizard helps you with the basic setup of your Dreambox.

3.1 Video output selection

You will be shown different video output modes for roughly 10 seconds, after you have connected and switched on your Dreambox. Once you see a clear picture on your TV screen press the **OK-Button** to select it. If you prefer a different output than the selected one you can use the **Navigations-Buttons up/down** and the **OK-Button** to select it.

Pressing the **red Options-Button** will toggle the language.

Video input selection
Please press OK if you can see this page on your TV (or select a different input port).
The next input port will be automatically probed in 10 seconds.
English
DVI
Scart
YPbPr
DREAM

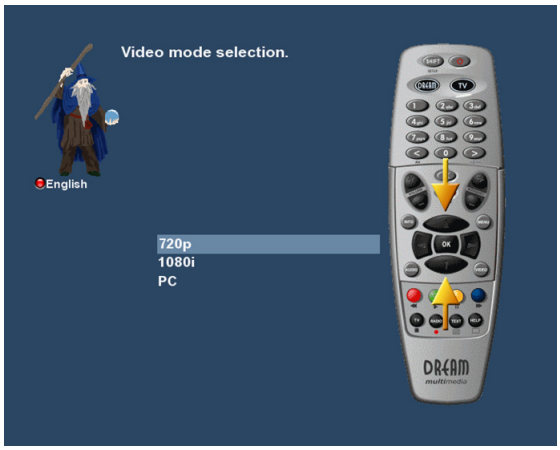
You can choose from the following video output options:

1. Scart
using a Scart cable

2. DVI
using a DVI or DVI-to-HDMI cable

Select your desired option with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

You are taken to the next step.



You can now select the video mode.

The possible options strongly depend on the video output mode you have selected in the step before. To learn more about the options refer to chapter *10.4 A/V Settings*.

Select your desired option with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

You are taken to the next step.

We will now test if your TV can also display this resolution at 50hz. If your screen goes black, wait 20 seconds and it will switch back to 60hz.
Please press OK to begin.
English

Your Dreambox will now test if you TV can display 50Hz at the before set resolution. If your screen stays black just wait 20 seconds and the picture will be automatically returned to 60Hz.

To start the test press the **OK-Button**.

You can see the result on your screen.

The input port should be configured now.
You can now configure the screen by displaying some test pictures.
Do you want to do that now?
English
Yes
No

Finally you can adjust the screen using some test screens.

Select your desired option with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

The video output should now be configured.

3.2 Language selection

Select your desired and language with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

Welcome.
This start wizard will guide you through the basic setup of your Dreambox.
Press the OK button on your remote control to move to the next step.
English

The start wizard takes you through the basic setup of your Dreambox.

Press the **OK-Button** on your remote control to get to the next step.

Use the up/down keys on your remote control to select an option. After that, press OK.
English
Use wizard to set up basic features
Exit wizard

You will be asked if you want to set the basic settings for your Dreambox now or if you want to quit the start wizard.

Using the **Navigation-Buttons up** and **down** select your desired option and press the **OK-Button** to activate your selection.

If you choose “User wizard to setup basic features” you will be taken to the menu for the tuner configuration.

3.3 Tuner setup

Detailed information about the tuner setup can be found in chapter ***11.1 DVB-S Tuner configuration***

Use the left and right buttons to change an option.
Please set up tuner A
English
Configuration Mode enabled
Used service scan type Frequency bands
Scan band EU VHF I yes
Scan band EU MID yes
Scan band EU VHF III yes
Scan band EU UHF IV yes
Scan band EU UHF V yes
Scan band EU SUPER yes

3.4 Service scan

Detailed information about the service scan can be found in chapter ***11.4 Automatic scan***

3.5 Parental Control

Refer to section 6.7 Parental control for further information about this feature.

Entering the pincode

After the start wizard is completed, you need to protect single services. Refer to your dreambox's manual on how to do that.
English

Finalizing the basic setup

4. Basic operation

4.1 Turning your Dreambox on and off

Use the **Power-Button** to turn your Dreambox on and off.

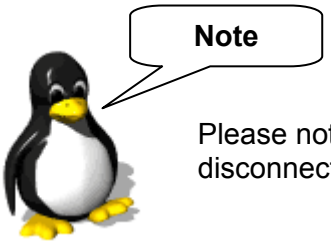
To put your Dreambox into Standby-Mode either press the **Power-Button** on your remote control or directly on your Dreambox. The current time will be shown in the Dreambox's OLED-Display.

Pressing the **Power-Button** for three seconds saves all settings and prepares your Dreambox for disconnection from power.

Please wait for a note on the screen telling you that you can now disconnect your Dreambox from power.

Another way to achieve the same thing is to access the main OSD menu and selecting the "Standby/Restart" option. After that select the "Deep Standby" option and press the **OK-Button**.

Alternatively you can press the **Power-Button** on your Dreambox for 5 seconds. You have to make sure that no OSD menu is visible on the screen before you do so.



Please note that any recording timers will not be executed if your Dreambox is disconnected from power.

This is the Standby / Restart menu.
Navigate to the desired option and confirm by pressing the **OK-Button**.

Standby:
Puts your Dreambox into Standby mode.

Restart:
Your Dreambox will be rebooted.

Deep Standby:
Saves all settings and enables you to disconnect your Dreambox from power.

4.2 Service selection

Pressing the **Left/Right-Buttons** on your Dreambox remote control will take you to the previous or next service.

Pressing the **0** on the **Numeric-Keypad** will enable you to skip back and forth between the two most recently watched services. This feature is quite useful during commercial breaks since it enables you to watch another channel and quickly check if your movies is back on.

Using the **Navigation-Buttons left/right** you can switch to the 20 last viewed services.

4.3 Changing channel using the service list

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **OK-Button** to change to the selected service.

4.4 Controlling the volume

The **Volume +/- Buttons** control the volume of the audio. Pressing **+** will make turn it up and pressing **-** will turn it down.

Pressing the **MUTE-Button** mutes the volume. A crossed speaker symbol will appear on the screen.

4.5 Changing the audio track

Pressing the **AUDIO-Button** in TV or Radio Mode will reveal the “Audio” menu of the selected service.

Use the **Navigation-Buttons up** and **down** to move to desired audio track. Press the **OK-Button** to select.

The contents of this menu will vary from service to service.

4.6 Sub Services

The green dot in the Infobar appears if the selected station transmits sub services.

Pressing the **green Options-Button** in TV or Radio mode will reveal the sub services menu.

Use the **Navigation-Buttons up** and **down** to move to one of the sub services. Press the OK-Button to select.

You can now use the **Arrow-Left/Arrow-Right-Buttons** to toggle the subservices.

4.7 TV/Radio switching

Pressing the **RADIO-Button** activates the RADIO-Mode. By pressing the **TV-** or **EXIT-Button** you can quit the RADIO-Mode.

4.8 Teletext

Use the **Text-Button** to enter the Teletext and the **Exit-Button** to leave.

4.9 Subtitles

Press the **Menu-Button** to enter the main menu. Select “Subtitles” and press the **OK-Button**. A list with the available subtitles will show up. Use the **Navigation-Buttons up** and **down** to select a desired subtitle and press the **OK-Button** to activate.

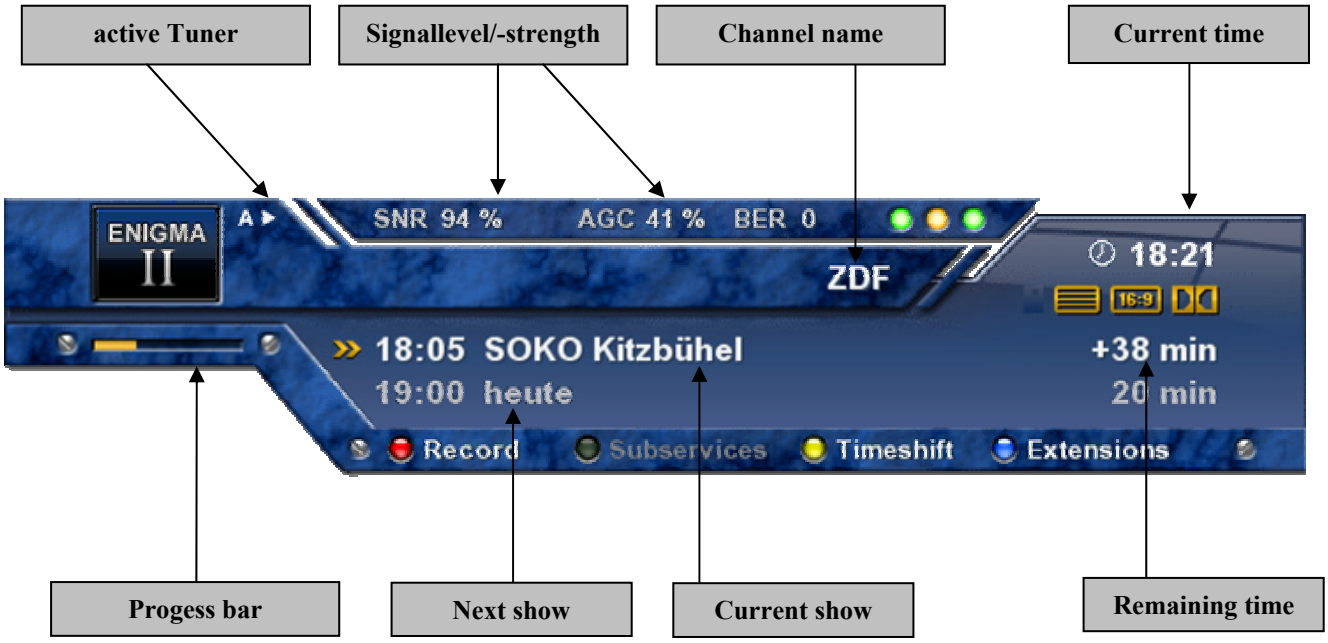
The screenshot on the left shows you an example of how a subtitle looks.

To deactivate subtitles process as described previously, just select deactivate subtitles instead of a subtitle page.

Note: Keep in mind that not every station offers subtitles. If no subtitles are available, the subtitle list will stay empty.

4.10 Infobar

The Infobar appears and disappears by pressing the **OK-Button** once, if no OSD menu is shown on your screen or when you change channels. The Infobar shows all necessary Information about the selected service.



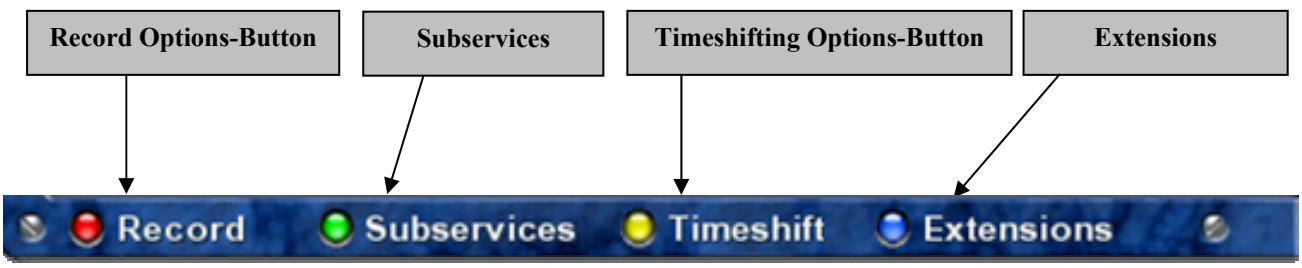
Is highlighted yellow as soon as a show is broadcasted Encrypted.

Is highlighted yellow as soon as a show is broadcasted in Dolby Digital.

Is highlighted yellow as soon as a show is broadcasted in 16:9 aspect ratio.

Is highlighted yellow as soon as a station transmits Teletext information.

Lights up during the recording process.

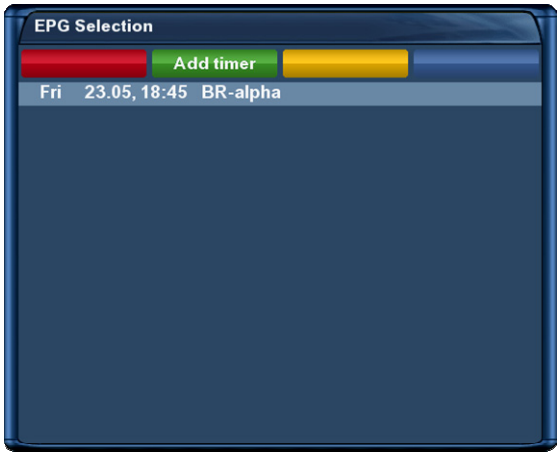


5. Electronic Program Guide - EPG

By pressing the **INFO-Button** in TV-Mode you are supplied with detailed information about the current show and by pressing the **Right-Button** afterwards about the next show.

Pressing the **yellow Options-Button** activates the “Channel-EPG” (See chapter 5.1) and pressing the **blue Options-Button** activates the “Multi-EPG“ (See chapter 5.2).

The Dreambox automatically searches for similar broadcasts in the background. If one or more similar broadcasts are found the label “Similar” will appear in the red window.



Pressing the **red Options-Button** opens a listing of similar broadcasts.

By pressing the **green Options-Button** you can set a timer for this rerun.

For additional information about recording by timer please see chapter 7.3.3 Recording by timer.

5.1 Single-EPG

EPG Selection
Add timer
Sort A-Z
Fri 23.05, 18:00 Abendschau
Fri 23.05, 18:45 Rundschau
Fri 23.05, 19:00 Unser Land
Fri 23.05, 19:45 Chiemgauer Volkstheater
Fri 23.05, 21:15 Rundschau-Magazin
Fri 23.05, 21:35 Der Kaiser von Schexing
Fri 23.05, 22:00 Kanal fatal
Fri 23.05, 22:30 Aufgemerkt! Pelzig unterhält sich
Fri 23.05, 23:30 Rundschau-Nacht
Fri 23.05, 23:40 Unter 4 Augen
Sat 24.05, 00:10 Schmidt & Pocher
Sat 24.05, 01:10 Dahoam is Dahoam
Sat 24.05, 01:40 Dahoam is Dahoam
Sat 24.05, 02:10 Dahoam is Dahoam
Sat 24.05, 02:40 Planet Erde

In this view you are supplied with detailed information about the currently selected channel’s programming.

By pressing the **yellow Options-Button** your can ether sort the “Single-EPG” alphabetically or by time.

You can also access this view by pressing
1. the **Info-Button** for about 2 seconds
2. the **Navigation-Buttons up/down** to open the services list and then pressing the **Info-Button**.

This way you can very quickly and easily access the Single-EPG of every service.

5.2 Multi-EPG

Use the **blue** and **yellow Options-Buttons** to switch between the **now**, **next** and **more** views. Pressing the **green Options-Button** will give you the possibility to automatically copy the start and end time of the selected show into a recording timer..

If you have set the “Multi bouquets” option to “yes” (see chapter 10.2) a selection of you bouquets will appear. Select the bouquet for which you want the Multi-EPG view.

This view shows the currently airing shows on the services listed in the left column.

A progress bar showing the progress of the currently airing show is placed next to the service’s name.

Using the **Navigation-Buttons up** and **down** you can select a service, just like in the service list, and change to the selected service by pressing the **red Options-Button.**

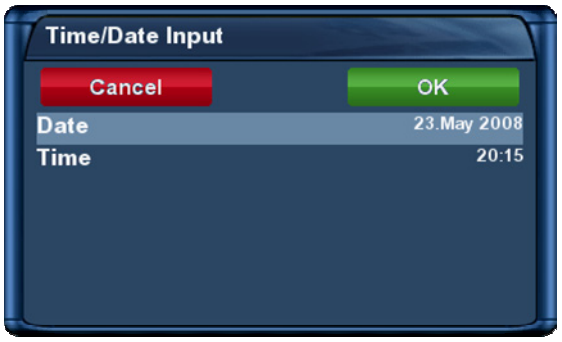
EPG Selection
Add timer
Prev
Next
NOW
NEXT
MORE
Today 23.5.
ZDF 19.00 - 19.20 heute
3sat 18.30 - 19.00 nano
Bayerisches FS 18.45 - 19.00 Rundschau
ZDFdokukanal 18.45 - 19.30 Heiße Spur am Monte Verde
Das Erste 18.55 - 19.20 Berlin, Berlin
BR-alpha 18.45 - 19.00 Rundschau
hr-fernsehen 18.50 - 19.15 hessentipp
SWR Fernsehen 18.45 - 19.45 Landesschau
Phoenix 00.00 - 23.59 Frequenzwechsel! Bitte Info-
ZDFinfokanal 18.30 - 18.40 Leute heute
KiKa 18.40 - 18.50 Golo, der Gartenzwerg
arte 00.00 - 23.59 Frequenzwechsel! Bitte Info-
WDR Köln 18.50 - 19.30 Aktuelle Stunde

General overview of the following programming.

EPG Selection
Add timer
Prev
Next
NOW
NEXT
MORE
Today 23.5.
ZDF 19.25 - 20.15 Forsthaus Falkenau
3sat 19.20 - 20.00 Kulturzeit
Bayerisches FS 19.45 - 21.15 Chiemgauer Volkstheater
ZDFdokukanal 20.15 - 21.00 Die Zeitmacher
Das Erste 19.50 - 19.55 Das Wetter im Ersten
BR-alpha 19.15 - 19.45 Faszination Wissen
hr-fernsehen 19.30 - 19.58 hessenschau
SWR Fernsehen 19.58 - 20.00 Baden-Württemberg Wetter
Phoenix 00.00 - 23.59 Frequenzwechsel! Bitte Info-
ZDFinfokanal 19.00 - 19.20 heute
KiKa 19.00 - 19.25 Tom
arte 00.00 - 23.59 Frequenzwechsel! Bitte Info-
WDR Köln 20.00 - 20.15 Tagesschau

General overview of the upcoming programming for the following days. (Depending on the station up to one week).

5.2.1 Time/Date Input



Press the **Menu-Button** in the Multi-EPG view.
A
A window will appear where you can enter a time and date.

After you have entered the desired time and date press the **OK-Button** to activate you selection.

EPG Selection
Add timer
Prev
Next
Today 23.5.
ZDF 20.15 - 21.15 Der Alte
3sat 20.15 - 21.00 Der Kreuzritter Richard Löwe
Bayerisches FS 19.45 - 21.15 Chiemgauer Volkstheater
ZDFdokukanal 20.15 - 21.00 Die Zeitmacher
Das Erste 20.15 - 21.45 Das Traumpaar
BR-alpha 20.15 - 21.00 alpha-Forum
hr-fernsehen 20.15 - 21.00 Jugendstil in Hessen
SWR Fernsehen 20.15 - 21.45 Fröhlicher Feierabend
Phoenix Frequenzwechsel! Bitte Info-
ZDFinfokanal 20.15 - 20.30 haus & hof
KiKa 19.25 - 20.55 Zurück nach Gaya - Die helde
arte Frequenzwechsel! Bitte Info-
WDR Köln 20.15 - 21.00 Teufelszeug - Wie der Strom

The Multi-EPG will be displayed according to your set time and date.

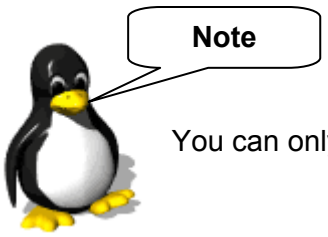
As a example we have selected 20:15. All shows starting at / which are already running 20:15 are displayed.

Note: The set time will be saved and used next time when you sort by time and date.

6. Edit the channellist

What is a bouquet?
A bouquet can be thought of something like a folder. Every channel equals a page in this folder and the pages are sorted into categories.

This way you can create a bouquet called “Kids”, for example, under which you “file” all children’s stations. Another example would be to create a bouquet called “Sports“ where you put all sports channels. This way you can create several topic related bouquets.



You can only delete channels in the favorites view!

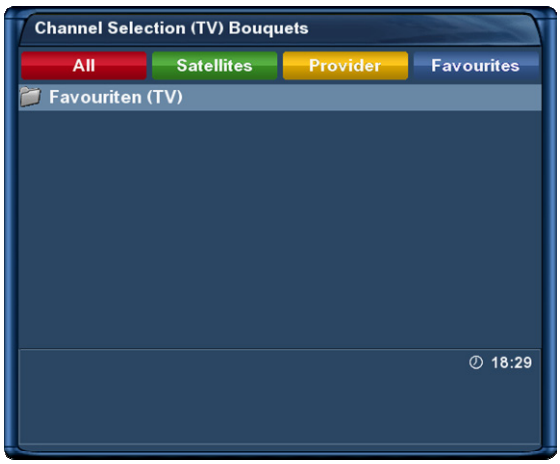
You cannot delete the channels in the “All” view. The use of the “All” view is to keep an internal list of all available stations. If you start a new channel search the result would be saved to the “”All” list to your favorites bouquet. To see how it is done refer to section 6.2.

6.1 Adding a bouquet

Channel Selection (TV) Bouquets/alle
All
Satellites
Provider
Favourites
107 ZDF (SOKO Kitzbühel)
108 3sat (ARD-exclusiv)
109 Bayerisches FS (Abendschau)
110 ZDFdokukanal (Ruhrpott-Schnauzen (13))
111 Das Erste (Marienhof)
112 BR-alpha (Straßennamen)
113 hr-fernsehen (Brisant)
114 SWR Fernsehen BW (Essen und Trinken)
115 Phoenix (Frequenzwechsel! Bitte Info-Taste betätigen.)
116 ZDFinfokanal (hallo deutschland)
SOKO Kitzbühel
18:28
18:05 - 19:00
ZDF
Nach seinem Dienstantritt bei der SOKO Kitzbühel hat Klaus Lechner gemeinsam mit Karin Kofler ein Verbrechen zu klären, das im Milieu eines prominenten Scheidungsanwaltes angesiedelt ist.

To be able to add a bouquet you have to set the “Allow multiple bouquets” option to yes. Refer to section 10.2.

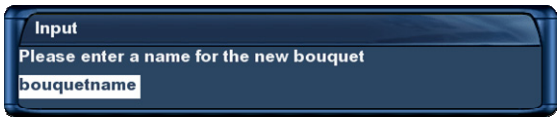
Pressing the **Up/Down-Buttons** on your remote control activates the service list.



Press the **blue Options-Button** to switch to the bouquet view.

By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "add bouquet".



Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** and the **Arrow-Left/Arrow-Right-Button** deletes a character.

Press the **OK-Button** to add the new bouquet to your favorites list. You will be taken back to the "Channellist menu".

6.2 Add a service to favorites

If you want to add a service to your **Favorites-view** you can choose from services in the **All-, Satellites-** and **Provider-views**. You can switch views by pressing the **red, green, yellow** and **blue Options-Buttons**. At this point we only describe the process from the **All-Bouquet** since it is the same for the others.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Press the **red Options-Button** to change to the All-view.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the “Channellist menu”.

Navigate to the option “add service to bouquet”.

If you are using more than one bouquet this option is named “add service to bouquet” instead and you will get a list of your bouquets afterwards.
You can choose to which bouquet you want to add the currently selected service.

If you are using only one bouquet which is the factory default, the service will be added to you favorites list.

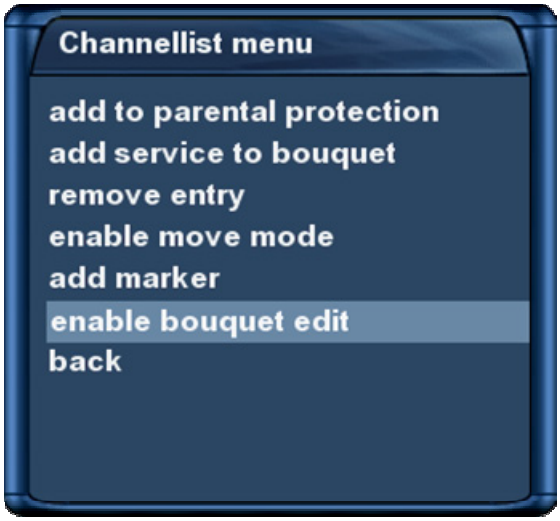
6.3 Adding multiple services to a bouquet

You can select multiple services from the All-view to be added to the currently selected bouquet.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the **blue Options-Button** and select the desired bouquet.

After that select a service and switch to it by pressing the **OK-Button**.



By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "enable bouquet edit". The All-view will open up.

All services that are in the selected bouquet are highlighted red.

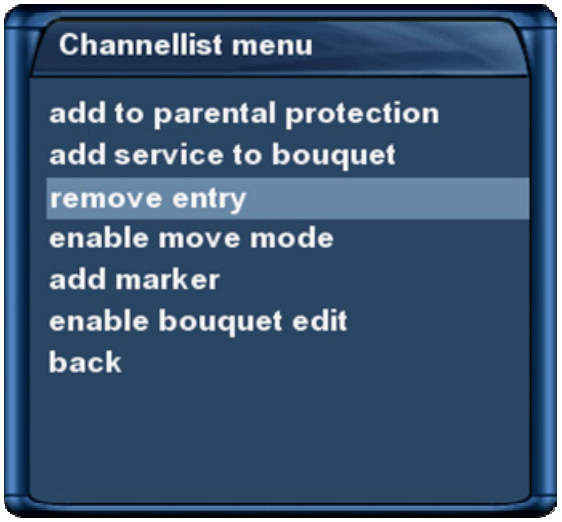
Use the **Up/Down-Buttons** to navigate to a desired service and press the **OK-Button** to select. The service will be highlighted red. Using this method you can select additional services that you want to add to the bouquet.

Once you have selected all services that you want to add, press the **Menu-Button**. The "Channellist menu" will open up.

Choose the "End bouquet edit" option. All highlighted services will now be added to the bouquet that you selected in the beginning.

If you are only using one bouquet, which is the default setting, the selected services will be added to you favorites list.

6.4 Remove a service from favorites



Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the “Channellist menu”.

Navigate to the option “remove service”.

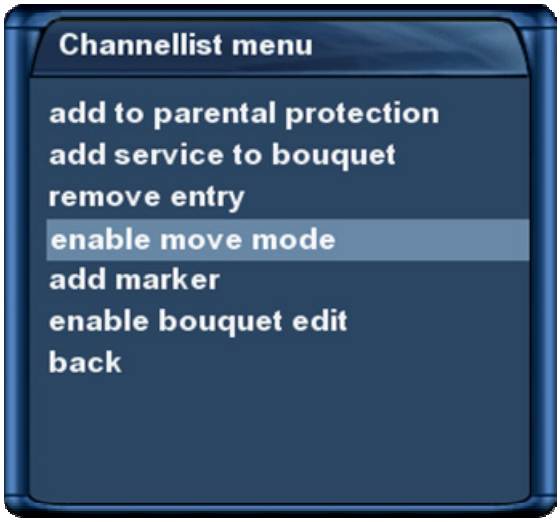
The selected service will be deleted from your favorites list.

6.5 Moving a service to favorites

Channel Selection (TV) Bouquets/alle
All
Satellites
Provider
Favourites
107 ZDF (SOKO Kitzbühel)
108 3sat (ARD-exclusiv)
109 Bayerisches FS (Abendschau)
110 ZDFdokukanal (Ruhrpott-Schnauzen (13))
111 Das Erste (Marienhof)
112 BR-alpha (Straßennamen)
113 hr-fernsehen (Brisant)
114 SWR Fernsehen BW (Essen und Trinken)
115 Phoenix (Frequenzwechsel! Bitte Info-Taste betätigen.)
116 ZDFinfokanal (hallo deutschland)
SOKO Kitzbühel
18:28
18:05 - 19:00
ZDF
Nach seinem Dienstantritt bei der SOKO Kitzbühel hat Klaus Lechner gemeinsam mit Karin Kofler ein Verbrechen zu klären, das im Milieu eines prominenten Scheidungsanwaltes angesiedelt ist.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

Use the **Navigation-Buttons up/down** to select the desired service and press the **MENU-Button** to open the “Channellist menu”.



Navigate to the option “enable move mode” and press the **OK-Button.**

Use the **Navigation-Buttons up/down** to select the service that you want to move and press the **OK-Button**.

The service will be highlighted red.

Use the **Navigation-Buttons up** and **down** to move the service to the desired position. Press the **OK-Button** to release the service and thus placing it at it's new position.

You can move services as long as the move mode is activated. To disable the move mode press the **MENU-Button** to get into the "Channellist menu" and chose the option "disable move mode" by pressing the **OK-Button.**

6.6 Adding a marker to favorites

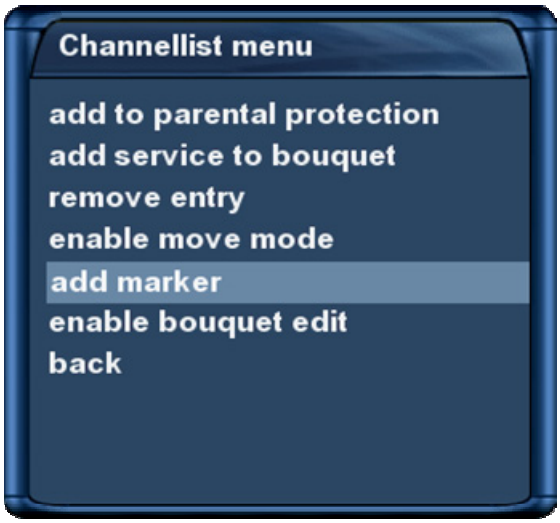
You have the option to add makers within the favorites bouquets.

Channel Selection (TV) Bouquets/alle
All
Satellites
Provider
Favourites
107 ZDF (SOKO Kitzbühel)
108 3sat (ARD-exclusiv)
109 Bayerisches FS (Abendschau)
110 ZDFdokukanal (Ruhrpott-Schnauzen (13))
111 Das Erste (Marienhof)
112 BR-alpha (Straßennamen)
113 hr-fernsehen (Brisant)
114 SWR Fernsehen BW (Essen und Trinken)
115 Phoenix (Frequenzwechsel! Bitte Info-Taste betätigen.)
116 ZDFinfokanal (hallo deutschland)
SOKO Kitzbühel
18:05 - 19:00
18:28
ZDF
Nach seinem Dienstantritt bei der SOKO Kitzbühel hat Klaus Lechner gemeinsam mit Karin Kofler ein Verbrechen zu klären, das im Milieu eines prominenten Scheidungsanwaltes angesiedelt ist.

Pressing the **Up/Down-Buttons** on your remote control activates the service list.

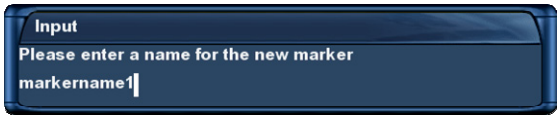
Use the **Bouquet +/- Buttons** to switch to the desired bouquet. As an alternative you can press the **blue Options-Button** and select the desired bouquet.

Select a service. The marker will be added above the selected service.



By pressing the **Menu-Button** the "Channellist menu" will open up.

Navigate to the option "add marker".



Use the **Numeric-Keypad** on your remote control to enter the name for the new bouquet. The according letters are printed on button.

The **Mute-Button** and the **Arrow-Left/Arrow-Right-Button** deletes a character.

Press the **OK-Button** to add the marker to your favorites list. You will be taken back to the "Channellist menu".

As an example we have added two markers as shown in the picture on the left.

Use **the Arrow-Left** and **Arrow-Right-Buttons** to jump between those two markers.

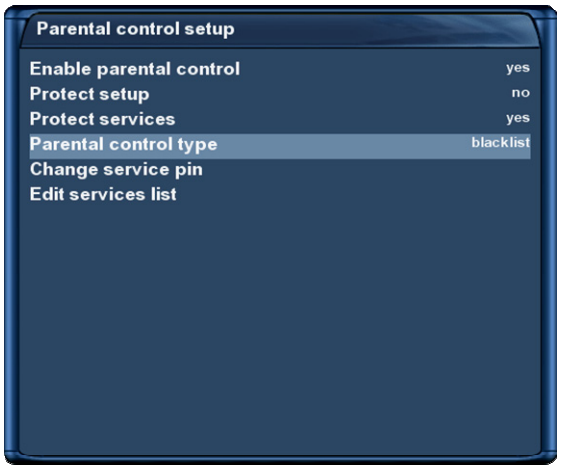
6.7 Parental control

Parental control makes it possible to lock selected channels.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the “Parental lock“ option and press the **OK-Button**.

   ➢ The “Parental control setup” menu will open up.

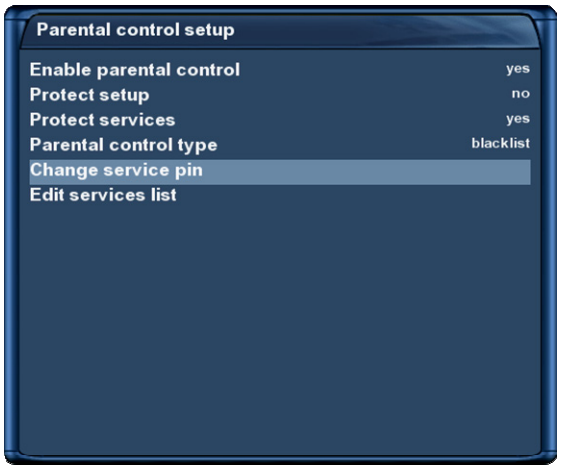


Set the “Enable parental control” option to yes.

Under the “Parental control type” option you can choose between a blacklist and a whitelist.

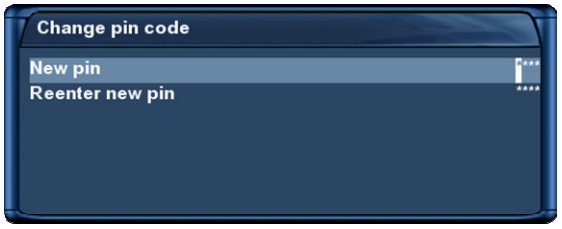
Whitelist means that all channels NOT in the parental control list will be locked.

Backlist means that all the channels in the parental control list will be locked.

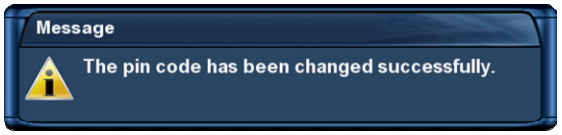


If you want to change the Pincode select the “Change service pin” option and press the **OK-Button**.

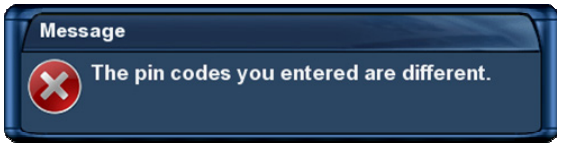
You now will be prompted to enter the old pincode and afterwards the new one.



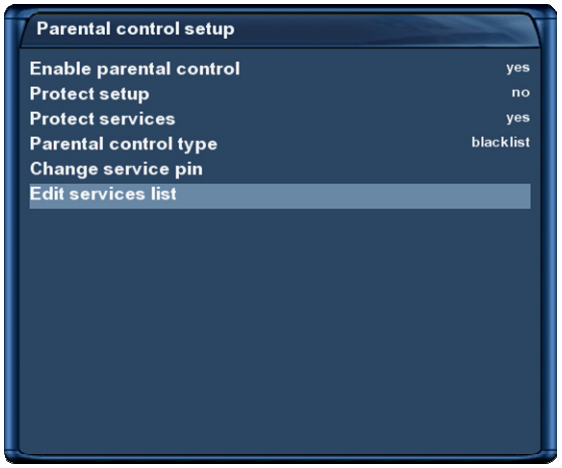
You have to enter the new pincode twice to ensure you didn't make any typing errors.



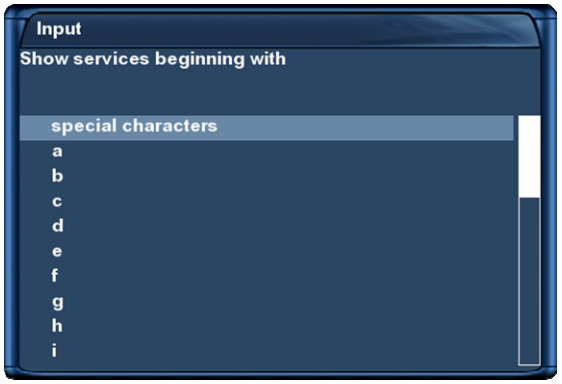
You will see this notice that the pincode has been changed. Press the **OK-Button** to get back into the Parental control menu.



If the entered pincode was false you will see this notice. Press the **OK-Button** to get back into the "Change service pin" menu and to enter the correct new pincode twice.



Now select the "Edit services list" option and press the **OK-Button**.



Use the **Navigation-Buttons up/down** to select the first letter of the channel that you want to lock or allow and press the **OK-Button**.

In this example we decided to lock the service called "sportdigital.tv". Accordingly we selected the "S" as the first letter.

The Parental control services Editor will open up. All services beginning with the letter S are shown.

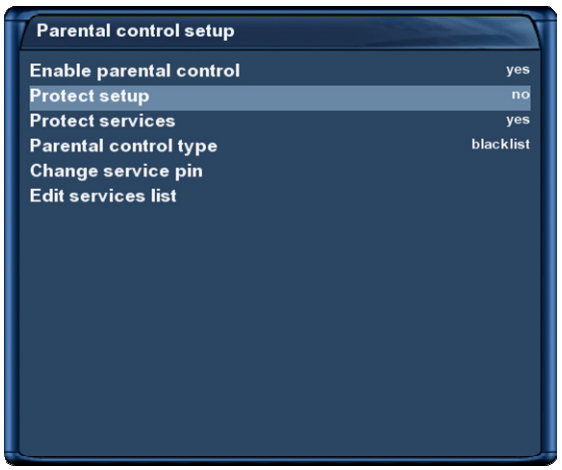
Select “sportdigital.tv” and press the **OK-Button**.

A symbolized padlock will appear in front of the channel letting you know that it can only be watched when the right pincode is entered.

If you have selected whitelist under the “Parental control type” then this channel will be the only one that can be viewed without entering the right pincode.

Protecting the parental lock setup

Additionally you have the option to protect the parental control menu using a pincode.



Setting the “Protect setup” option to yes you will only be able to change parental control setting after you have entered the correct pincode.

Once you entered the wrong pincode three times in a row you have to wait 15 minutes before you can try again.

Note: You can use two different pincodes to protect the setup and the service list.

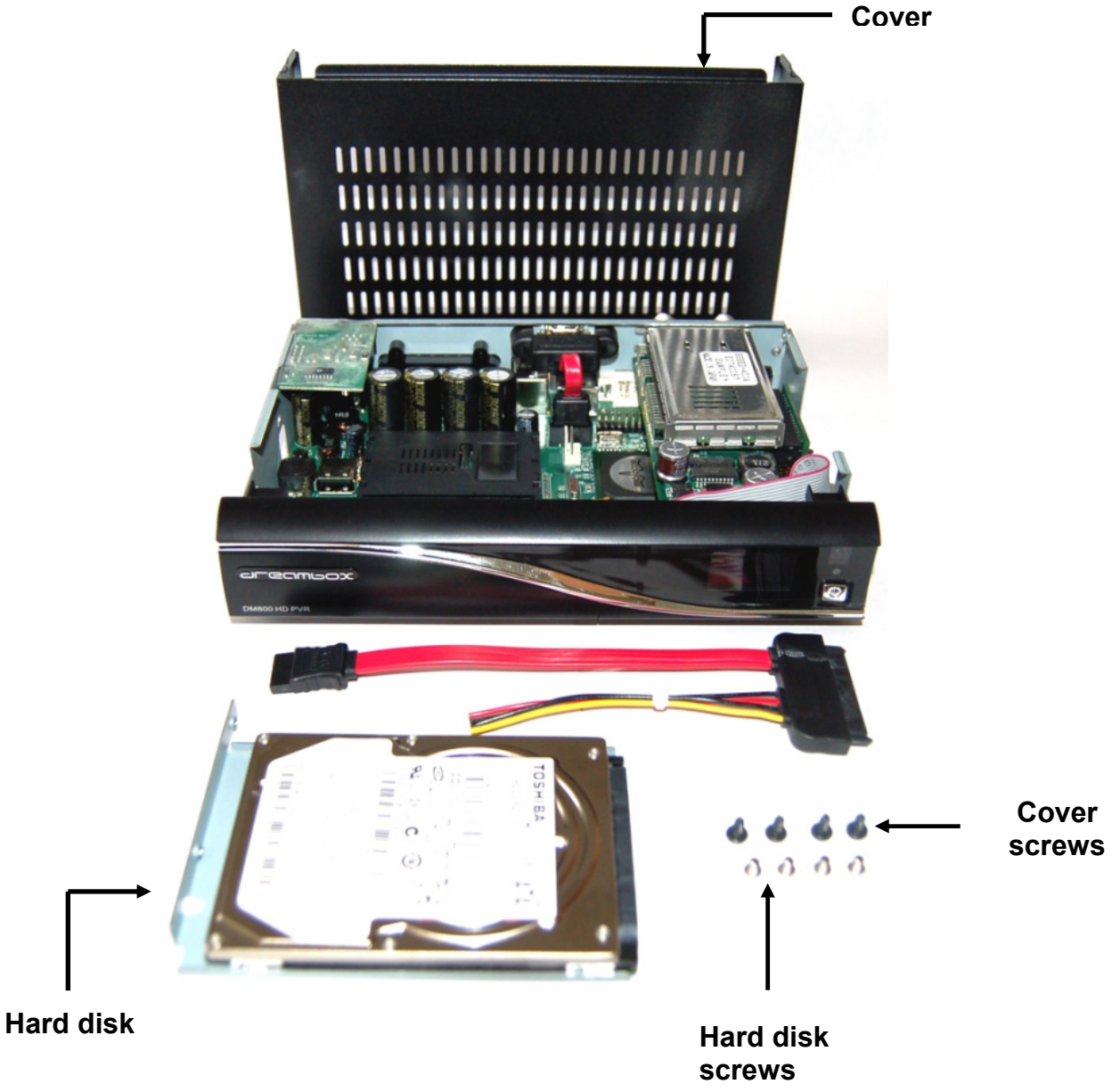
7. Hard disk operation

7.1 Mounting guidelines

This chapter describes how to mount a 2,5” SATA hard disk inside your Dreambox DM 800 HD PVR.

Please always adhere to ESD (Electrostatic Discharge) regulations when handling electronic devices. Make sure that you are grounded. Do not open the device in your living room or in any other rooms with carpeting or any other flooring that can carry an electrostatic charge. Remove all connection from the device. Only open the device with the tools depicted in this manual. Try to avoid direct contact with the main circuit board. If all this doesn’t mean anything to you or if you have too many question, please contact your dealer or technician. Also notice the warranty notes in chapter *1.1 Safety instructions*.

This picture shows everything you need for installing the hard disk.

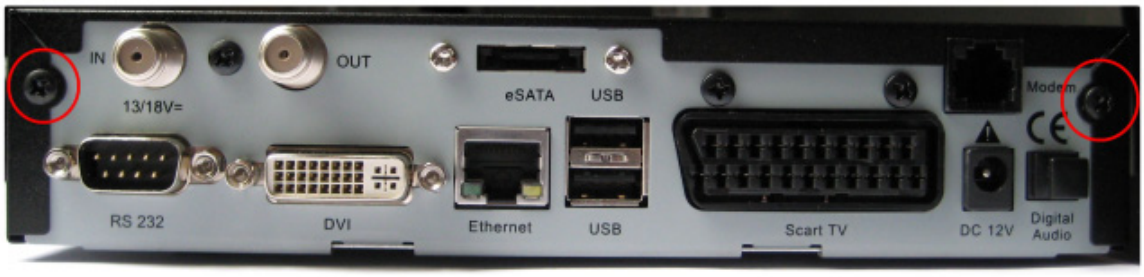


Parts list:

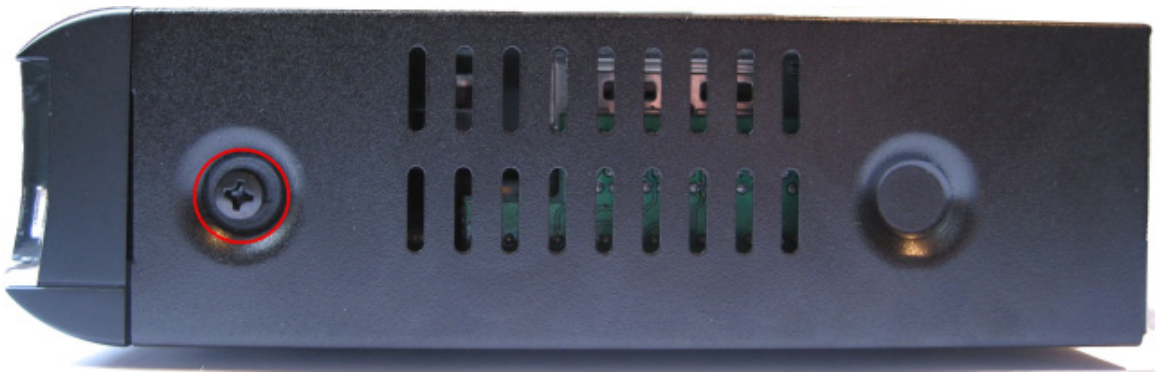
- 1x Dreambox DM 800 HD PVR (includes 4 phillips screws for the cover and 2 phillips screws for the hard disk cage).
- 1x SATA-Kabel for the hard disk (included in the shipping contents of your Dreambox DM 800 HD PVR)
- 1x Phillips screwdriver (not included)
- 1x 2,5“ SATA hard disk of your choice (not included)
- 4x Hard disk screws (included in the shipping contents of your Dreambox DM 800 HD PVR)

Action:

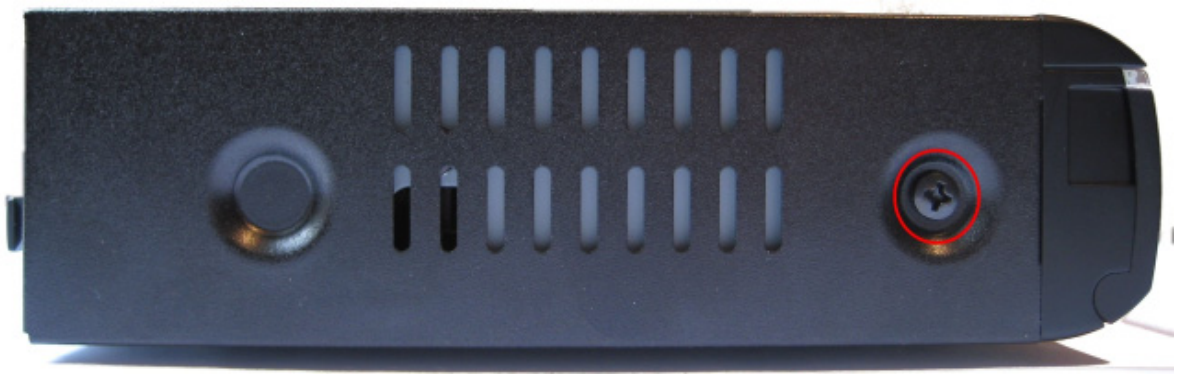
1. Remove these 2 screws on the rear panel.



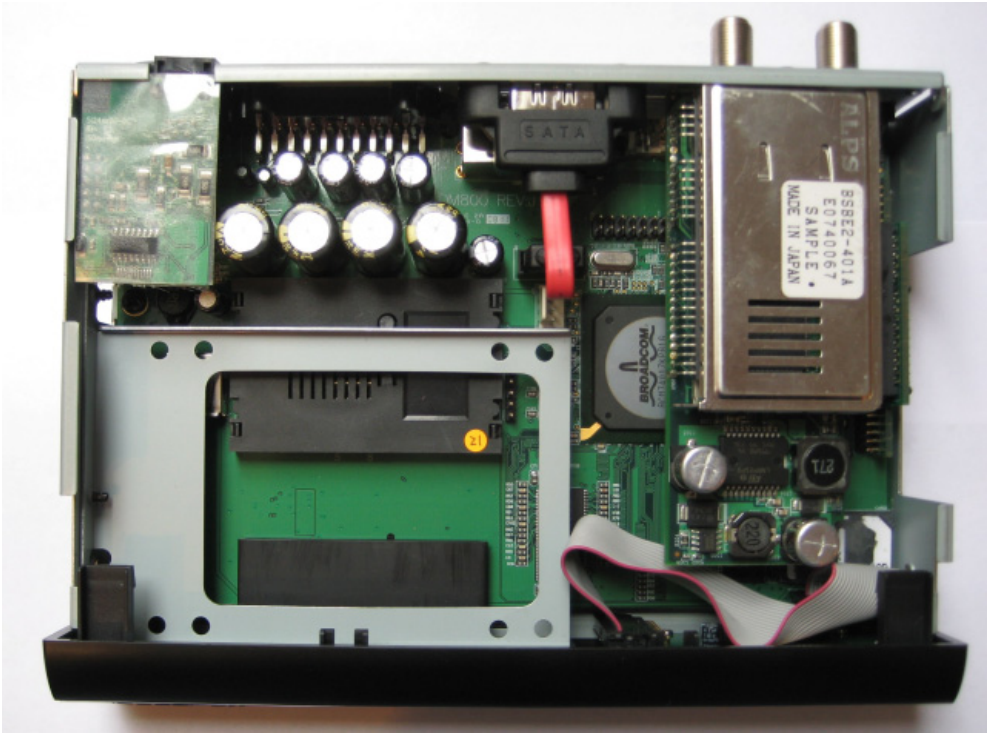
2. Remove this screw at the right side of the device.



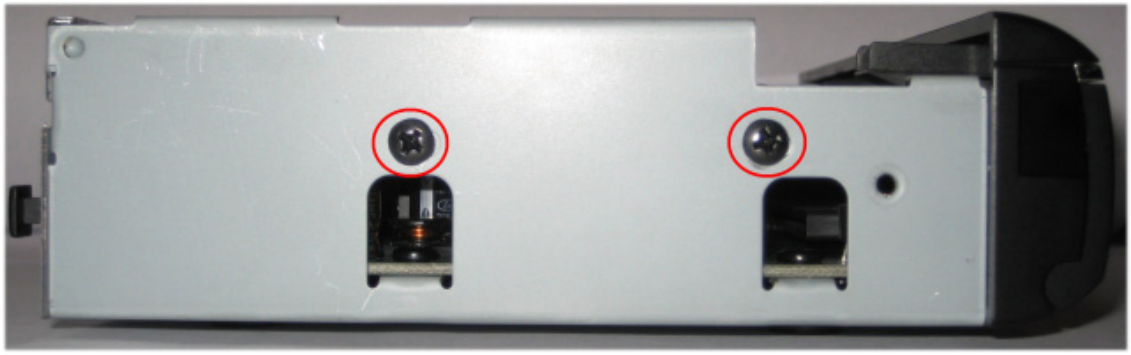
3. Remove this screw at the left side of the device.



4. Lift the cover on the sides on slide it backwards.



5. Remove the 2 screws from the hard disk cage.



Remove the hard disk cage by lifting it upwards.

Now you need the Phillips screwdriver, the hard disk cage, the 4 hard disk mounting screws and your hard disk.

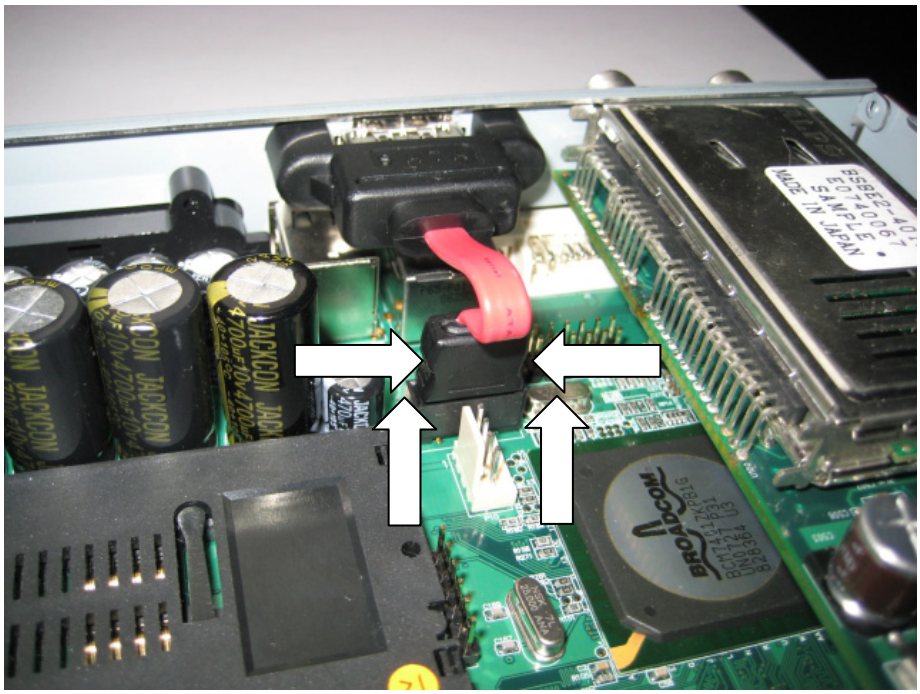
6. Attach the hard disk cage to the hard disk.

Pay attention to the correct mount of the hard disk in the hard disk cage.

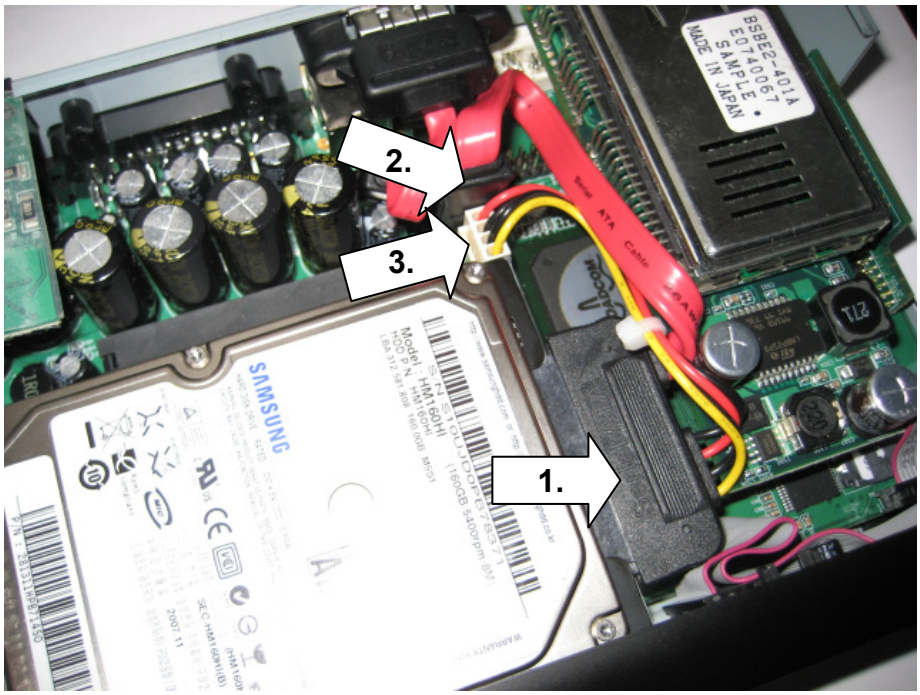
without screws

with screws

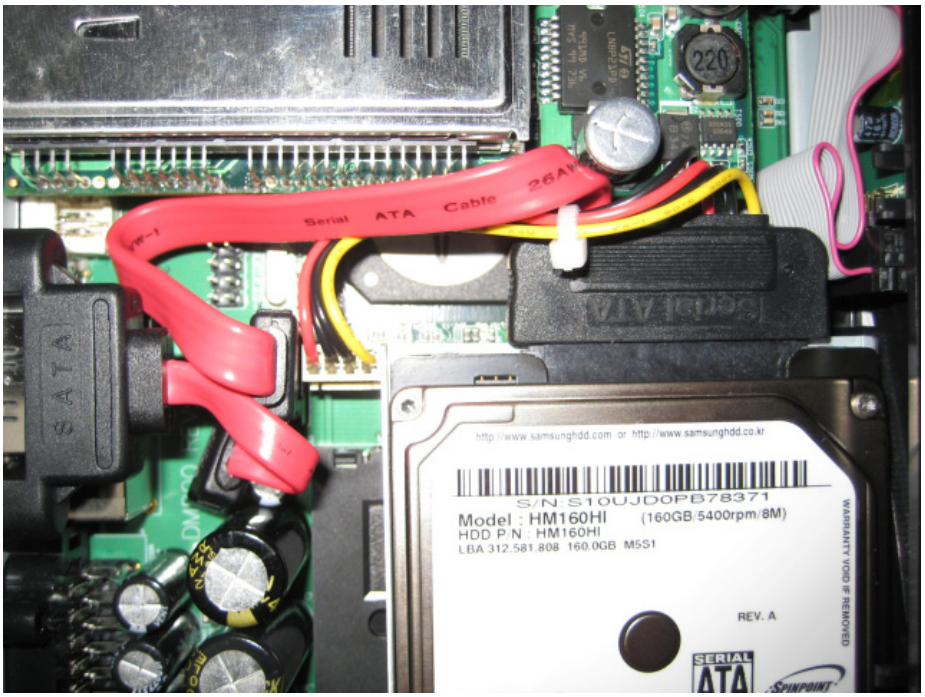
7. **Carefully** pull the SATA connector upwards with your thumb and index finger as shown below.



8. Connect the big black plug of the included SATA cable to your harddisk (Marker 1) and insert the hard disk cage back into your Dreambox. Connect the other end of the red SATA cable (Marker 2) to the socket from which your previously removed the eSATA cable. Connect the white power plug (Marker 3) to the white socket below the SATA socket.



9. Make sure that the cables are not bend too much.



Screw the two screws back onto the hard disk cage. (see step 5.)

Slide the cover from the rear back onto the device.

Screw the one screw on each side and the two screws on the rear back into place.

Reattach all connector to your Dreambox. Attach the power cord as last.

Before you can use the hard disk your have to initialize it first. See section 7.2.1 to learn how it's done.

7.2 Management

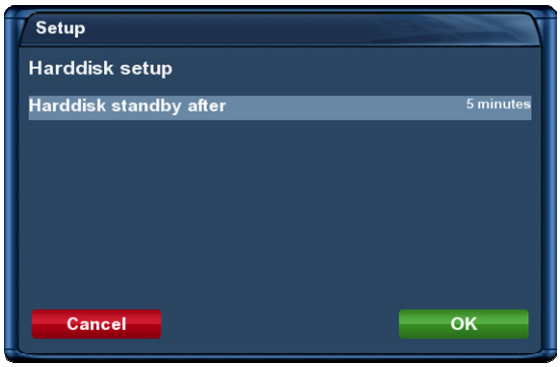
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**

   - The “System” menu will open up.

2. Navigate to the option “Harddisk…” and press the **OK-Button**

3. Navigate to the “Harddisk setup” option and press the **OK-Button**



You now can set the duration of time after which the harddisk will be put into standby-mode.

You can select from:

- No standby
- 10 or 30 seconds
- 1, 2, 5, 10, 20 or 30 minutes
- 1, 2 or 4 hours

Once you have selected the desired time press the **OK-Button** or the **green Options-Button** to get back into the harddisk menu.

7.2.1 Initialization

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

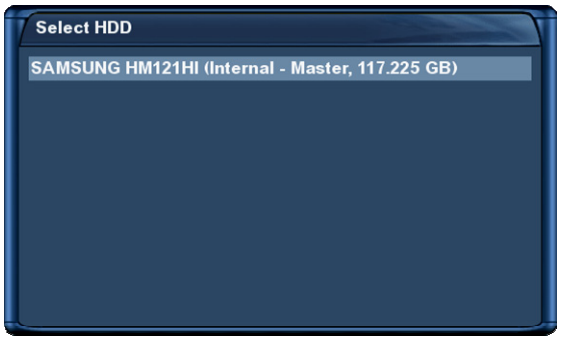
1. Navigate to the option “System” and press the **OK-Button**

   - The “System” menu will open up.

2. Navigate to the option “Harddisk…” and press the **OK-Button**

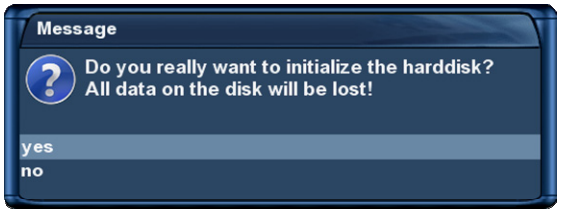
3. Navigate to the “Harddisk setup” option and press the **OK-Button**

Navigate to the “Initialization” option and press the **OK-Button**.



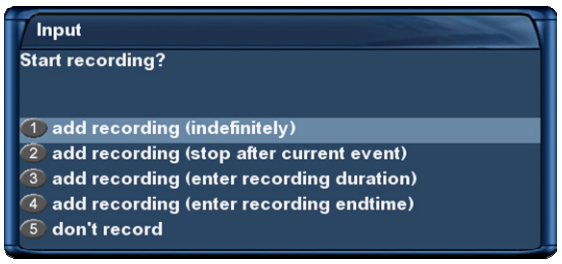
If you have installed another hard disk this option will differ from the one depicted!

By pressing the **red Options-Button** you will initialize (format) the hard disk. After you confirm the safety question the initialization process starts.



7.3 Recording

7.3.1 Instant recording


Input
Start recording?
1 add recording (indefinitely)
2 add recording (stop after current event)
3 add recording (enter recording duration)
4 add recording (enter recording endtime)
5 don't record

Press the **red Options-Button**.

You have five available options:
- Add recording (indefinitely)
- Add recording (stop after current event)
- Add recording (enter recording duration)
- Add recording (enter recording endtime)
- Don't record

Use the **up/down-Buttons** to navigate to you desired selection and press the **OK-Button** to select.

A ongoing recording is indicated by a flashing symbol in the Infobar (see chapter 4.10).

During a recording you can watch another service, view a previously recorded movie or add an additional recording.

The number of simultaneous recordings depends on the number of services residing on a transponder[1].
It is possible to make up to four simultaneous SDTV or two HDTV recordings.

Input
A recording is currently running.
What do you want to do?
1 stop recording
2 change recording (duration)
3 change recording (endtime)
4 add recording (indefinitely)
5 add recording (stop after current event)
6 add recording (enter recording duration)
7 add recording (enter recording endtime)
8 do nothing

Pressing the **Up/Down-Buttons** on your remote control activates the service list. The recording continues in the background.

Once a recording is started, no matter if manually or by timer (see chapter 7.3.3) it will be signaled by a note on the screen.

[1] Every services resides on a so called transponder. A transponder contains a number of services.
Example: ZDF-Transponder via satellite
This transponder contains the services: 3sat, Kika, ZDF, ZDFdokukanal, ZDFinfokanal, ZDFtheaterkanal
If you now start a recording on “ZDF” only the services on the same transponder on this tuner are available any more.
The unavailable services will be marked grey in the services list, once a service on the tuner is in use either by recording.

7.3.2 Stop recording

Input
A recording is currently running.
What do you want to do?
1 stop recording
2 change recording (duration)
3 change recording (endtime)
4 add recording (indefinitely)
5 add recording (stop after current event)
6 add recording (enter recording duration)
7 add recording (enter recording endtime)
8 do nothing

Switch to the service which recording you want to stop.

Press the **red Options-Button**, select the "Stop recording" option and press the **OK-Button** to select.

The recording will be stopped immediately.

7.3.3 Recording by timer

With the help of a timer you can record shows (if you have a hard disk installed). You are offered two different ways to program a timer, the manual way of via the EPG.

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Timer” and press the **OK-Button** to select.

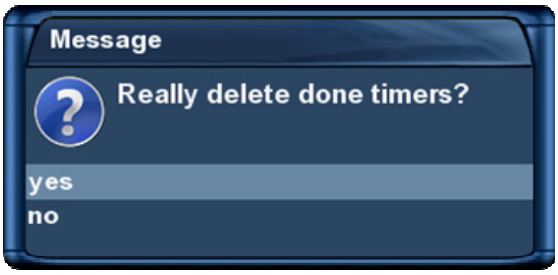
You see the “Timer Editor“ menu.

Pressing the **red Options-Button** will delete a timer. The **green Options-Button** adds a timer, the **yellow Options-Button** toggles active on and off (only possible in waiting status) and the **blue Options-Button** removes finished timers from the list.

To edit an existing time select it and press the **OK-Button**.

The status of a timer is shown on the right side:

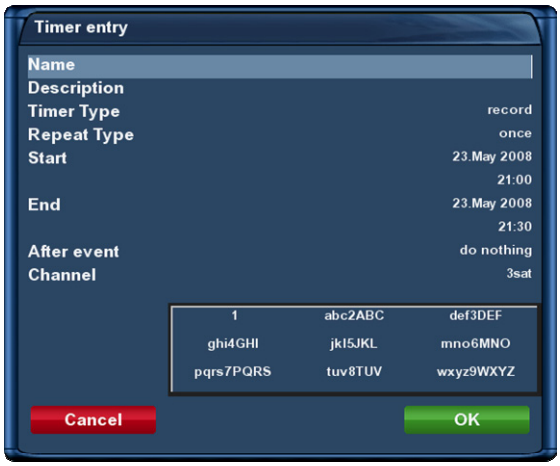
- **waiting** means: still coming up
- **recording** means: recording right now
- **done** means: recording finished
- the red **X** indicates that a timer was deactivated



If you pressed the **blue Options-Button** you will be asked if you really want to delete the finished timer.

Use the **Navigation-Buttons up** and **down** to select. Press the **OK-Button** to activate.

Manual programming



Press the **green Options-Button** to add a new timer.

You can choose between two different timer types. "Record" to record the desired show or "Zap" to automatically switch to the service.

As repeat type you can choose between "once" and "repeated"

The repeat type "repeated" offers you the following options:

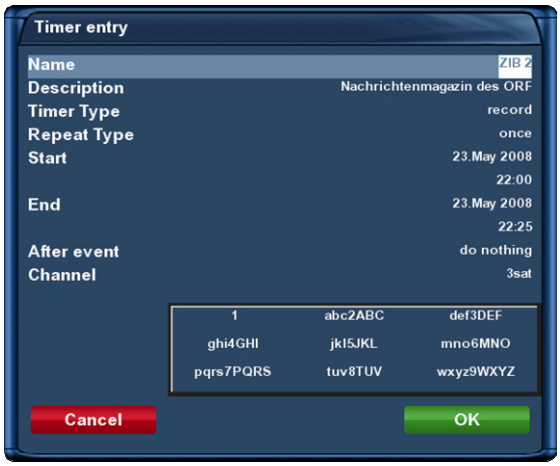
- daily
- weekly with choice of weekday
- Monday through Friday
- user defined

For all four options you can set a date for the first execution of the timer

You can decide what should happen after the recording finishes by selecting the "After event" option. You can choose between "do nothing" to keep you Dreambox in the same state as before the recording or "Go to deep standby" to shutdown your Dreambox once the timer is done.

Set you desired option by pressing the **Navigation-Buttons up/down** and **left/right** and press the **green Options-Button** to save the timer.

Programming via EPG



Change into on of the EPG views as described in **chapter 5**.

By pressing the **green Options-Button** you have the option to automatically add the selected show with it's start and end time as a timer.

All other options are the same as in the manually added timer.

Press the **green Options-Button** to save the timer. You will be taken to the "Timer Editor" menu.

If no OSD menu is visile on the screen you can find the timer editor by pressing the **Menu-Button** and selection the "Timer" option from the main OSD menu. Press the **OK-Button** to acces it.

7.3.4 Timeshift

Once you started an instant recording you can fast-forward and rewind while recording as long as you have already recorded at least 1 minute long.

Press the **yellow Options-Button** to pause the screen (video and audio will pause). The recording will continue in the background. Press the **yellow Options-Button** again to resume watching.

This way you won't have to miss anything ever again if you quickly have to catch a phone call.

The Timeshift-Mode can be exited by pressing the **TV-Button**.

You will be asked if you want to quit the Timeshift-Mode.

Use the **Navigation-Buttons up** and **down** to select. Press the **OK-Button** to activate.

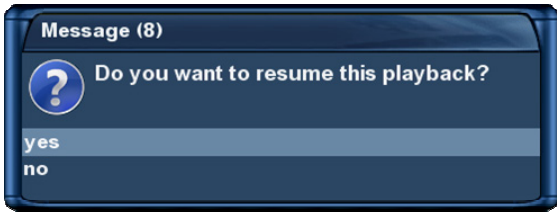
7.4 Watch a recording

Press the **Video-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up** and **down** to select a recording. Press the **OK-Button** to start playing it.

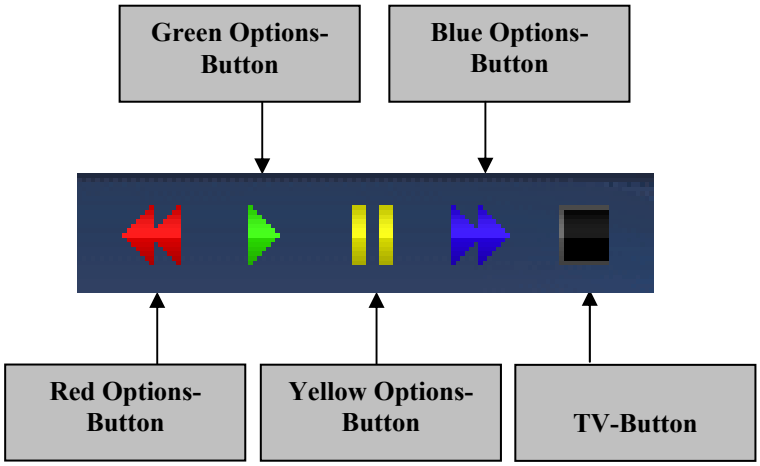
During replay you can see the control symbols in the Infobar.

Press the **Navigation-Buttons up** and **down** or the **Video-Button** to get back to the list of recordings.



If you have previously watched the movie you will be asked to continue where you left off when you start watching it the next time. If you do not make a selection within 10 seconds the window will disappear and the movie starts from the beginning.

In PVR-Mode the Options-Buttons are mapped as described below:



Keep in mind that you have to be in the PVR-Mode to use these options. You can check this by pressing the **OK-Button**. The Infobar will reveal and should show the depicted control symbols. If they are not shown you simply have to press the **Video-Button** once again.

Red Options-Button = Rewind

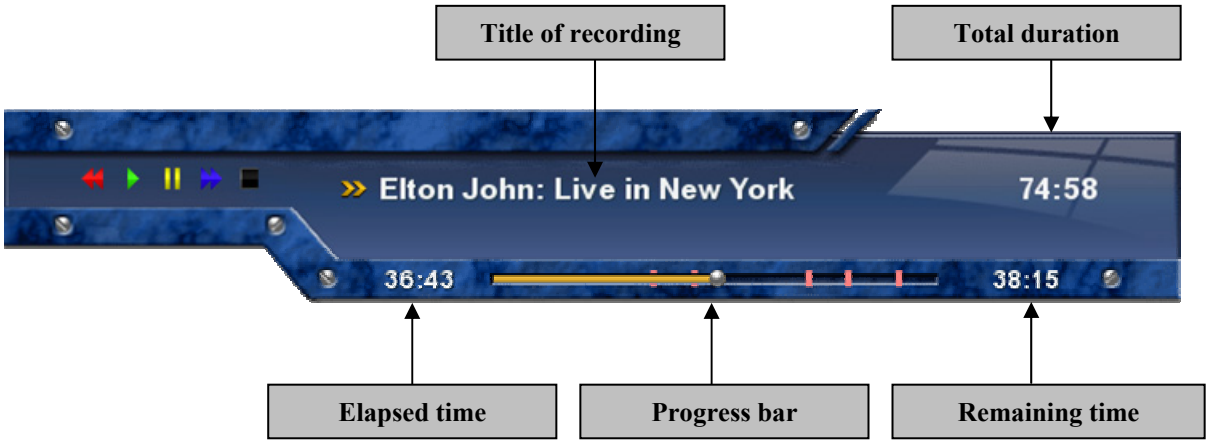
Green Options-Button = Play

Yellow Options-Button = Pause

Blue Options-Button = Forward

TV-Button = Stop

The Infobar does not have to be visible to use the PVR-Mode.



The PVR-Mode can be exited by pressing the **TV-Button**. You will be asked if you want to stop the replay of the recording.

If you choose “Yes” you will be taken back to the last channel you were watching.

Skipping in a recording

Button	Time	Button	Time
1	10 sec. back	3	10 sec. forward
4	1 min. back	6	1 min. forward
7	5 min. back	9	5 min. forward

Spooling in a recording

The following speeds for spooling in a recording are available:

- Forward (***blue Options-Button***): 2x,4x,8x,16x,32x,48x,64x,128x
- Back (***red Options-Button***): 8x,16x,32x,48x,64x,128x

Every press on the button increases the speed by one step.

7.5 Setting a marker (Bookmarks)

Fast forward to the point where you want to add a marker and press the **0** on the **Numeric-Keypad**.

This will set a marker at the desired point.

The red dashes in the timeline correlate to a marker.

Skip to a marker

You can directly skip to a previously set marker during playback.

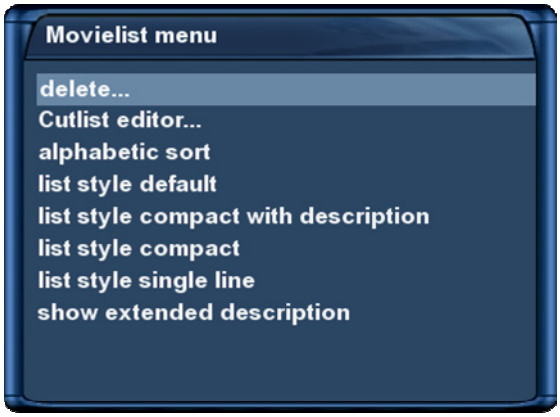
Press the **Arrow-Left-Button** to jump to the pevious marker or the **Arrow-Right-Button** to jump to the next marker.

To delete a marker skip to it as described above and press the **0** on the **Numeric-Keypad**.

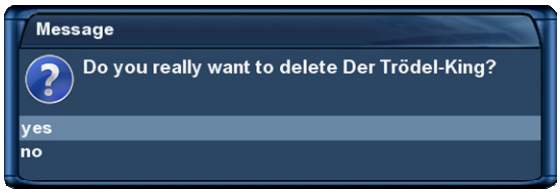
7.6 Delete a recording

Press the **Video-Button** to get to the selection of recordings.

Use the **Navigation-Buttons up** and **down** to select a recording. Press the **Menu-Button**.



Use the **Navigation-Buttons up** and **down** to select “Delete” and press the **OK-Button**.



You will be asked if you want to delete the recording. As a control feature the name of the recording is displayed as well.

Choose “Yes” and you will be taken back to the selection of recordings.

7.7 Movielist options

To access the Movielist menu press the **Video-Button** and then the **Menu-Button**.

Sorting options

You have the choice between two different sorting options:

1. Alphabetic sort
2. Sort by date

List styles

You have the choice between different list styles:

- List style default
- List style compact with description
- List style compact
- List style single line
- Show extended description

List styles

List style default

List style default with extended desciption

List style single line

List style compact

List style compact with desciption

8. Teletext

You are in the TV or Radio mode.
Press the **Text-Button** to enter the Teletext.

Keep in mind that not every station transmits Teletext!

Teletext - regular navigation:

If you are viewing any Teletext page you can enter the interactive mode by pressing the **OK-Button**. Use the **Navigation-Buttons** to select a text page number and press the **OK-Button** to call this page. You don't need to type in a text page number in this mode, but it is still possible.

Press the **EXIT-Button** to exit.

Press the **Mute-Button** a couple of times to toggle between transparent-mode, invisible-mode and full mode. The alpha-mode shows the picture from the running program through the text pages. The invisible-mode shows the complete picture from the running program without exiting the Teletext. The full-mode brings back the text page.

Press the **Volume-up-Button** to toggle between double high from the upper half, double high from the lower half and full view text page.

Press the **Volume-down-Button** to activate or deactivate the PIG-Mode (Picture in Graphics). Same view from Text page and Program picture. (best results are show on 16:9 TV's during 4:3 transmission).

Teletext configuration menu:
If the Teletext page 100 is shown you can press the **MENU-Button** to enter the Teletext configuration menu.

You have the following options:

Teletext - Selection:
Select the "Search" option and press the **OK-Button** to start searching for Teletext information on other services without having to leave the service that you currently are watching. After the search is finished you can use the **Navigation-Buttons left** and **right** to select the Teletext of another service without having to switch services. Press the **OK-Button** to select the desired Teletext. This option is only available if more than one service on the current satellite transponder actually transmits Teletext information. If this is not the case you cannot make a selection.

Screen format:
Standard mode 16:9 = on/off
Enabling this shows the TuxText in 16:9 Aspect Ratio. Press the OK-Button to enable or disable this option. The default setting is disabled.

Text/TV mode 16:9 = on/off
Enabling this, switches the TV to 16:9 Aspect Ratio if the PIG-Mode is activated with the Volume-down-Button. Press the OK-Button to enable or disable this option. The default setting is disabled.

Note:
On some older 4:3 TV's these Modes may not work. If enabled, it could happen, that your TV switches away from the VCR or A/V socket.
If you are using a 4:3 TV, we suggest not to enable these modes.

Brightness:
Here you can adjust the brightness of your Teletext. Press the Navigation-Buttons left or right to adjust the brightness.

Transparency:
Here you can adjust the transparency value of your Teletext. Press the Navigation-Buttons left or right to adjust the alpha value.

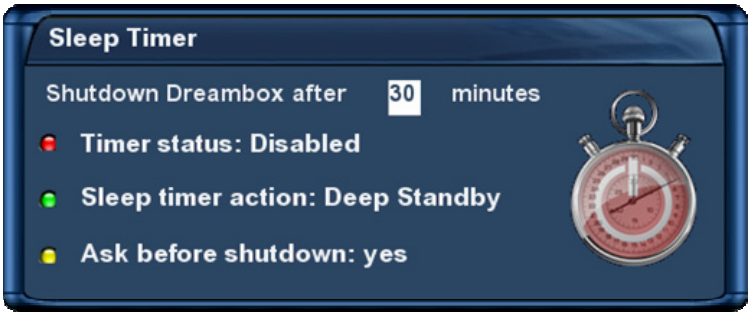
National characterset:
automatic recognition = on/off
The national codepage detection is used to display the teletextpages with the right letterset for your location. Press the OK-Button to enable or disable this option. The default setting is enabled. If disabled, use the Navigation-Buttons left or right, to choose your codepage.

For further information see www.tuxtxt.net

9. Sleep timer

Using the sleep timer you can put your Dreambox into standby or turn it off after a predetermined amount of time.

Press the **blue Options-Button** and select the option “Sleep Timer”.



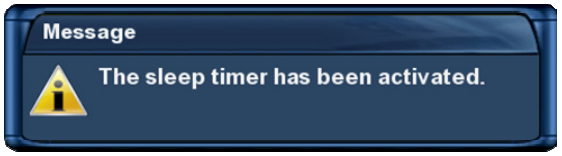
Shutdown Dreambox after: Set the number of minutes after you wish the predetermined shutdown action to be executed.

Timer status:
Set this option to “enabled” to activate a set sleep timer or to “disabled” to deactivate a set sleep timer.
Press the **red Options-Button** to change the status.

Sleep timer action:
Select “Deep Standby” to completely turn off you Dreambox or “Standby” to put it into standby mode.
Press the **green Options-Button** to toggle the sleep timer action.

Ask before shutdown:
If this option is set to “Yes” a safety window will appear once the sleep timer is executed asking you if you really want to turn off your Dreambox.
Press the **yellow Options-Button** to toggle this option.

Once you have set all options to your liking press the **OK-Button** to save your settings.



A short note will tell you that the sleep timer has been activated.

10. Setup

10.1 Language

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “Language…” and press the **OK-Button**.

   - The “Language” menu will open up.

Select your desired and language with the **Navigation-Buttons up** and **down**. Press the **OK-Button** to activate.

The **Exit-Button** will quit this menu.

10.2 Customize

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

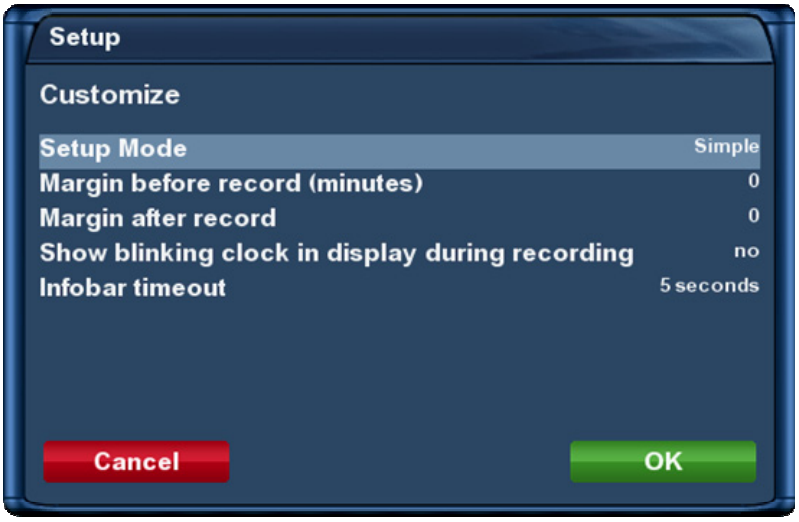
   - The “System” menu will open up.

2. Navigate to the option “Customize…” and press the **OK-Button**.

Setup modes:

There are three different user modes: Simple, Intermediate and Expert. This gives you the possibility to set the level of options to your needs. Intermediate is the default setting. We will not explain the expert mode in detail in this manual.

Simple mode:



Margin before record (minutes):

Set the desired forerun in minutes for a recording.

Margin after record:

Set the desired lag in minutes for a recording.

Show blinking clock in display during recording:
Select wether you want the time in the OLED-Display to blink during a recording or not.

Infobar timeout:

Set the desired time after which you want the Infobar to disappear. You can choose between one and ten seconds or “no timeout”.

Intermediate mode:

These settings supplement the settings in simple mode.

Recordings always have priority:

If this option is set to “Yes” your Dreambox will automatically switch to the service which is supposed to be recorded incase there is a conflict with an existing timer.
If you set this option to “No” you will be asked if you want to switch to the service which is supposed to be recorded.

Show positioner movement:

If you own a satellite dish with a positioner you can see a flashing symbol of a satellite dish on your screen if you set this option to “yes”.

Enable multi bouquets:

Set this option to “Yes” if you want to use multiple bouquets.

Change bouquets in quickzap:

If this option is set to “Yes” you will automatically be taken to the next bouquet while changing channels once you have reached the end of one bouquet.

Alternative radio mode:

Set this option to “Yes” if you want the handling in the Radio mode to be the same as in the TV mode.

Action on long powerbutton press:

Set your desired option what is supposed to happen if you push the Power-Button for a few seconds. The possible options are “show shutdown menu” and “immediate shutdown”.

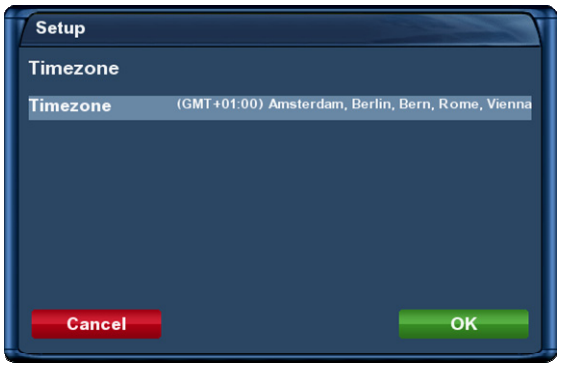
10.3 Setting the time zone

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “Timezone…” and press the **OK-Button**.



The “Time zone” menu will open up.

Use the **left/right-Buttons** to select the desired time zone.

Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

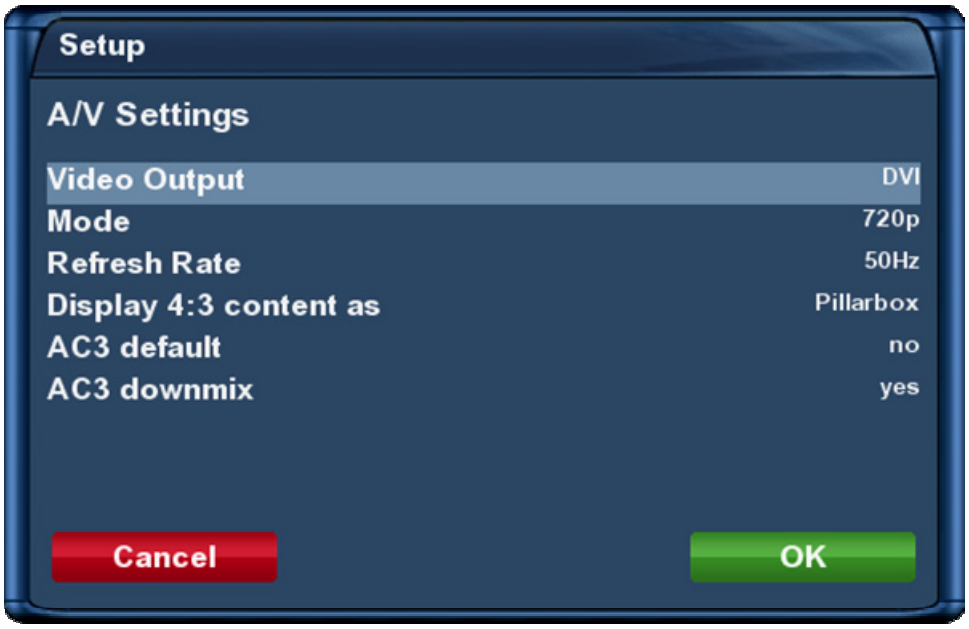
10.4 A/V Settings

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “A/V settings…” and press the **OK-Button**.



Video output:

This option selects to which output the video signal will be sent to.

DVI
If you have connected your TV to the DVI output of your Dreambox set the "Output type" option to DVI.

DVI-PC
If you have connected the TFT-Monitor of your PC to the DVI output of your Dreambox set the "Output type" option to DVI and the "Mode" option to PC.

Scart
If you have connected your TV to the Scart output of your Dreambox set the "Output type" option to Scart.

Mode:

Use the Navigation-Buttons left/right to select the desired screen resolution. This option is only available for the output type DVI.

Refresh Rate: (This option is only available for the output types DVI)

Select the refresh rate supported by your TV screen. This si either 50Hz or 60Hz.

Display 4:3 content as:
Pillarbox
4:3 shows will be shown in full height on a 16:9 screen and you will have black bars on both sides.

Pan&Scan
4:3 shows will be shown in full width on a 16:9 screen and a bit will be cut off on the top and bottom.

Just Scale
4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

Nonlinear
Only the outer parts of the picture are stretched to prevent the center from being distorted. You will still have a full screen picture.

AC3 default:
If a program is transmitted with an AC3 audio track (e.g. Dolby Digital), the Dreambox switches automatically to this audio track.

Volume control of AC3 signals only works if AC3 downmix is activated. Please keep in mind that AC3 downmix will disable the output of real AC3 signals on every audio out, even on the S/P DIF output.

AC3 downmix:
If you're watching a show with a AC3 audio track it will be changed into a stereo signal. Set this option to "yes" if your have an AV-Receiver that does not support Dolby Digital.

These options are only available if the output type is set to “Scart”:

Mode:

Scart
Select the standard supported by your TV screen. This is usually either PAL or NTSC. If you own a TV screen which supports both modes you can also select the Multi option. You TV screen will automatically switch depending on the input signal. These options are only available ifthe output type is set to “Scart”.

Aspect ratio:

Automatic (Standard)
4:3 shows will be shown as 4:3 and 16:9 shows will be shown as 16:9.

4:3
Display 16:9 content as:

Letterbox
16:9 programs will be displayed on 4:3 TV’s with black beams at top and bottom.

Pan&Scan
16:9 programs will be zoomed to full hight on 4:3 TV’s, parts of the picture on the left and right side will cut off.

Just Scale
4:3 shows will be shown in full height on a 16:9 screen and are stretched to fit the width of your screen.

16:9 und 16:10:
Display 4:3 content as:

Please see previous page.

Color format:

- CVBS (FBAS),
- RGB (Red, Green, Blue separated),
- SVideo (Color- and Brightness signal separated)

WSS on 4:3:
Check the checkbox to disable zooming on some 16:9 TV’s during 4:3 transmissions.

Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

You are taken back to the “System“ menu.

Please keep in mind the possible settings of your TV. Some 16:9 TVs automatically zoom on 4:3 content to give you a full screen picture. Refer to your TV’s instruction manual for reference.

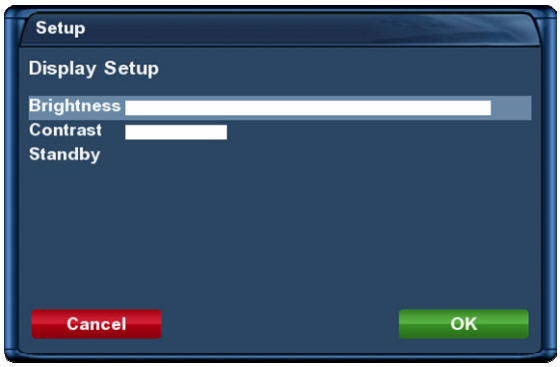
10.5 OLED-Display

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “Display setup…” and press the **OK-Button**.



Using the **Navigation-Buttons left** and **right** you can set the brightness of the OLED-display.

“Standby” set the brightness value for standby.

If “Invert” is set to “Yes” the polarity of the OLED-display will change.

All changes will take effect immediately.

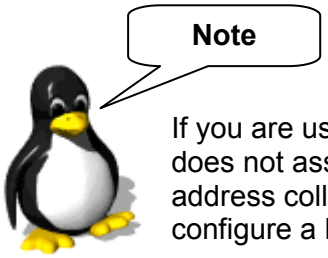
Press the **green Options-Button** to save the setting or the **red Options-Button** to discard them.

You are taken back to the “System“ menu.

10.6 Network

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.
    - The “System” menu will open up.
2. Navigate to the option “Network…” and press the **OK-Button**.
3. Navigate to the option “Device setup…” and press the **OK-Button**.
4. Navigate to the option “*Integrated Ethernet*” and press the **OK-Button**.



If you are using a DHCP server in your LAN, configure the DHCP server so it does not assign the IP address used by the Dreambox. Otherwise an IP address collision is possible. Refer to the DHCP server’s manual about how to configure a DHCP address pool.

Use the **Navigation-Buttons** and the **Numeric-Keypad** to change the values.

Use DHCP:
If enabled your Dreambox will get its IP from a DHCP server. If you are using a router to access the internet you usually have a DHCP server. Disable this option to set a static IP address.

IP Address:
Enter the IP address here.

Netmask:
Enter the subnet mask (Usually 255.255.255.0).

Gateway:
Enter the router's IP address here, if the Dreambox is connected to the Internet over a router.

Nameserver:
Enter the DNS-Server's IP address here. DNS is used to translate a Domain name to an IP address. Normally, if the Type is set to LAN, there is no need for a DNS entry. If the Dreambox is connected to the Internet over a router, enter the router's IP address here.

Activate the network:

Press the **OK-Button** to save the setting and activate the network.

Nameserver Setup

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option "Setup" and press the **OK-Button** to select.

1. Navigate to the option "System" and press the **OK-Button**.

   - The "System" menu will open up.

2. Navigate to the option "Network…" and press the **OK-Button**.

3. Navigate to the option "Nameserver setup…" and press the **OK-Button**.

Nameserver:
Enter the DNS-Server's IP address of your LAN here. DNS is used to translate a Domain name to an IP address. Normally, if the Type is set to LAN, there is no need for a DNS entry. If the Dreambox is connected to the Internet over a router, enter the router's IP address here.

Press the **green Options-Button** if you want to add a seconds nameserver.

You can enter a maximum of two nameservers.

10.7 Skin

Selecting another skin will change the looks of your OSD(On-Screen-Display).

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “Skin” and press the **OK-Button**.

   - The “Skin” menu will open up.

Navigate to your desired skin and press the **OK-Button**.

To fully activate the skin the system needs to be restarted.

Use the **Navigation-Buttons up/down** to select your desired option and press the **OK-Button**.

10.8 Factory reset

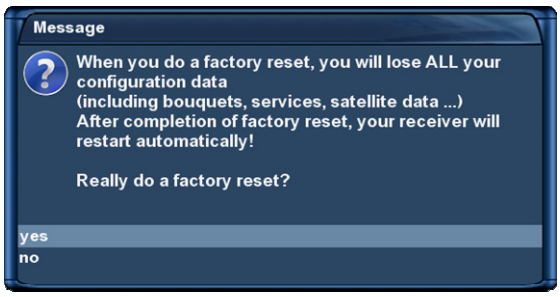
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “System” and press the **OK-Button**.

   - The “System” menu will open up.

2. Navigate to the option “Factory reset” and press the **OK-Button**.

   - The “Factory reset” menu will open up.


Message
When you do a factory reset, you will lose ALL your configuration data
(including bouquets, services, satellite data ...)
After completion of factory reset, your receiver will restart automatically!
Really do a factory reset?
yes
no

You will be asked if you really want to reset all your settings to the factory defaults.

If you select “yes” all your settings and bouquets will be lost.

Afterwards your Dreambox will be restarted automatically.

11. Service searching

11.1 DVB-S Tuner configuration

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.

   - The “Service searching” menu will open up.

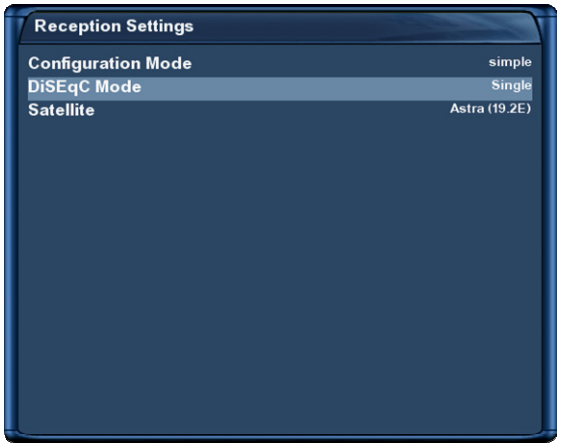
2. Navigate to the option “Tuner configuration” and press the **OK-Button**.

   - The “Choose tuner“ menu will open up.

3. Use the **Navigation-Buttons up** and **down** to select the “Socket A” and press the **OK-Button**.

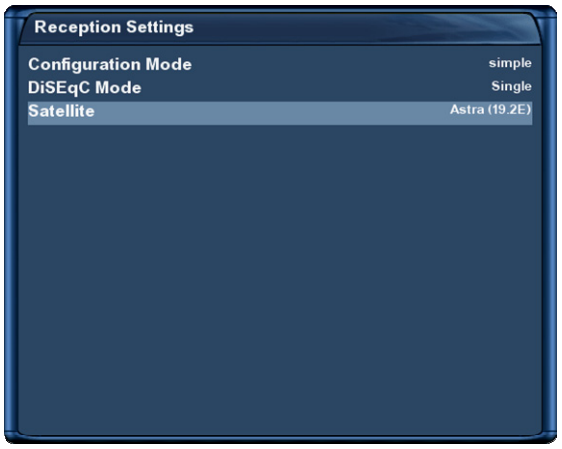
11.1.1 Single satellite – direct connection (DVB-S)

Use this type of configuration if you want to receive a single satellite with a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.



The “Satconfig” menu will open up.

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “Single”.



Navigate to the option “Satellite”.

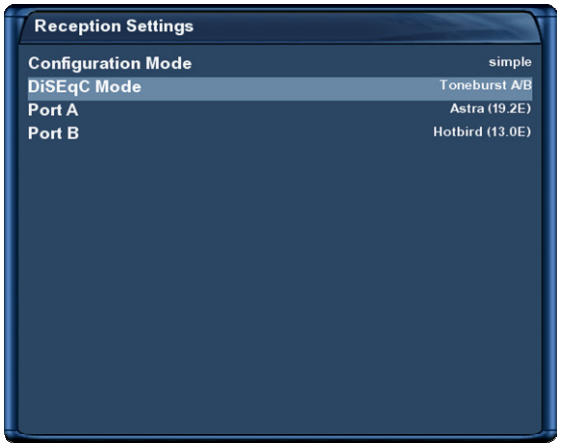
Use to the **Navigation-Buttons left** and **right** to select the desired satellite and press the **OK-Button**.

You are taken back to the “Select slot“ menu.

11.1.2 Two satellites via Toneburst A/B (DVB-S)

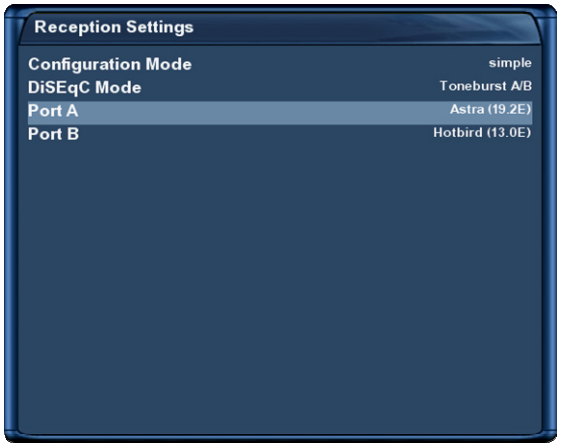
Use this type of configuration if you want to receive two satellites from one LNB each. It does not matter if you use one or two dishes to achieve this.

Connect the two coax cables form the two LNBs to a so-called Toneburst switch and connect the coax cable from the Toneburst switch to your Dreambox.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.



The “Satconfig” menu will open up.

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “Toneburst A/B”.



For Port A and Port B select the desired satellites just as described in the ***Single satellite – direct connection*** section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

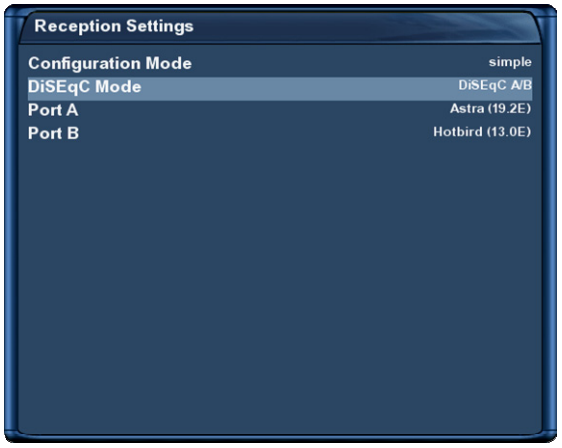
If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the **OK-Button** to save your settings.

11.1.3 Two satellites via DiSEqC A/B (DVB-S)

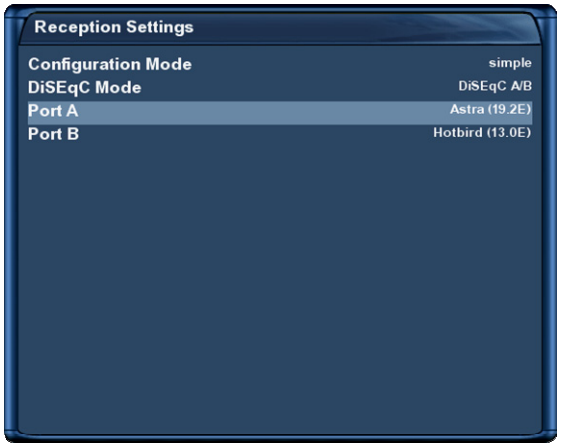
Use this type of configuration if you want to receive two satellites from one Twin Universal or Quad Universal LNB. It does not matter if you use one or two dishes to achieve this.

In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.



The “Satconfig” menu will open up.

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “DiSEqC A/B”.



For Port A and Port B select the desired satellites just as described in the ***Single satellite – direct connection*** section.

Make sure you know which satellite is connected to which input on the Toneburst switch.

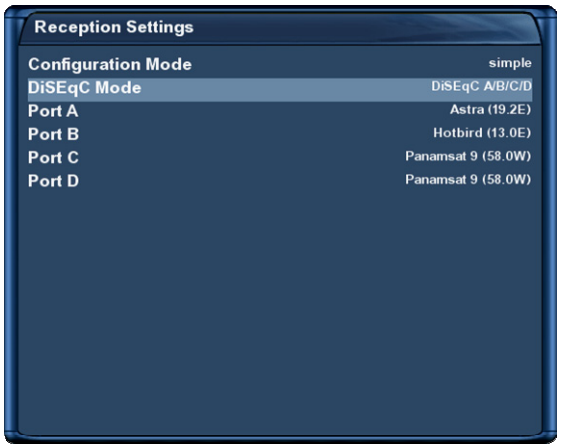
If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the **OK-Button** to save your settings.

11.1.4 Four satellites via DiSEqC A/B/C/D (DVB-S)

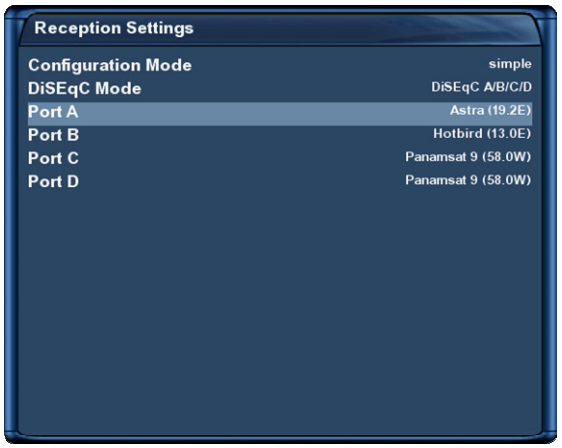
Use this type of configuration if you want to receive four satellites from one Single Universal or Twin Universal LNB for four or eight parties. It does not matter if you use one or two dishes to achieve this.

In this case the LNBs are connected to a so-called Multiswitch from which the signal is via coax cabled to the satellite receivers (Dreamboxes) in your household.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.



The “Satconfig” menu will open up.

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “DiSEqC A/B/C/D”.



For Ports A, B, C and D select the desired satellites just as described in the ***Single satellite – direct connection*** section.

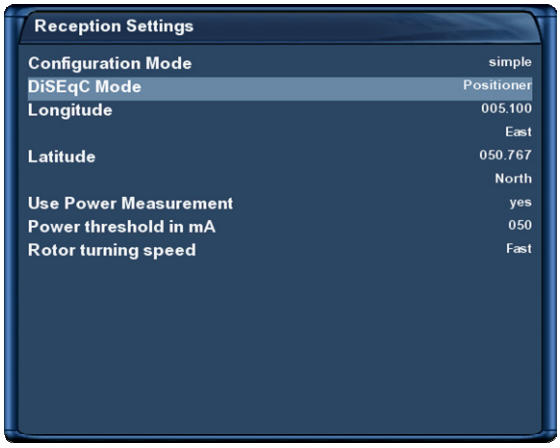
Make sure you know which satellite is connected to which input on the Toneburst switch.

If you do not find any services in the transponder scan later, exchange the two satellites in this list and try again.

Press the **OK-Button** to save your settings.

11.1.5 Stab Positioner using USALS (DVB-S)

Use this type of configuration if you want to receive many satellites with a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.

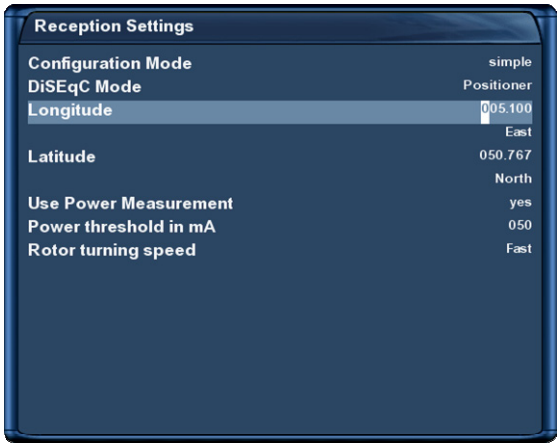


The “Satconfig” menu will open up.

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “Positioner”.

This menu is meant for a Stab positioner. You only have to enter the geographical details of your residence.

At http://www.heavens-above.com you can find the coordinates of your residence.

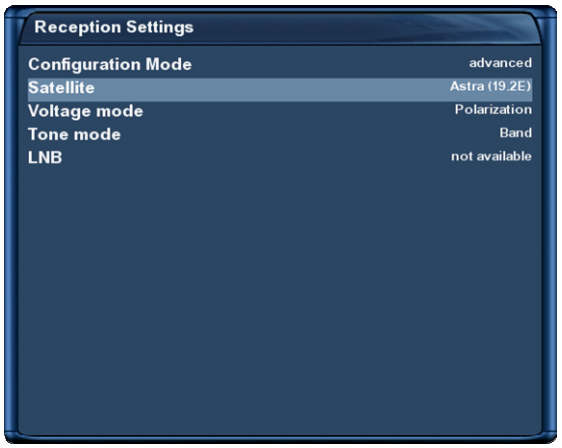


The rest is done automatically by your Dreambox with build-in **USALS**.

USALS is a model for calculating the position of all satellites in orbit with a margin of error less than 0.1 degrees. **USALS** was developed by the Stab company.
Everything is done automatically and does not require any technical know-how.

11.1.6 Stab Positioner without USALS (DVB-S)

Use this type of configuration if you want to receive many satellites without a Stab positioner from a Single Universal LNB. The coax cable is directly connected from you Dreambox to the LNB.
Please read the section ***11.1 DVB-S configuration*** to learn how to get into this menu.



The “Satconfig” menu will open up.

Using the **Navigations-Buttons left/right** to select the “advanced” configuration.

Navigate to the option “Satellite”. Use to the **Navigation-Buttons left** and **right** to select the desired satellite and.

Navigate to the option “Satellite” and press the **Navigation-Button right.**

Use the **up/down-Buttons** to navigate to the “DiSEqC-Mode” option and use the **left/right-Buttons** to select “1.2“.

Navigate to the option “Use usals for this sat” and change the setting to “no” using the **Navigation-Buttons left** and **right**.

Navigate to the option “Stored position“ and enter position of the selected satellite which is saved in the positioner by using the **Numeric Keypad**.

Refer to the instruction manual or your positioner for the number of the saved position.

11.2 DVB-C Tuner configuration

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.

   - The “Service searching” menu will open up.

2. Navigate to the option “Tuner configuration” and press the **OK-Button**.

   - The “Choose tuner“ menu will open up.

3. Use the **Navigation-Buttons up** and **down** to select the DVB-C Tuner and press the **OK-Button.**

   - The “Reception settings” menu will open up.

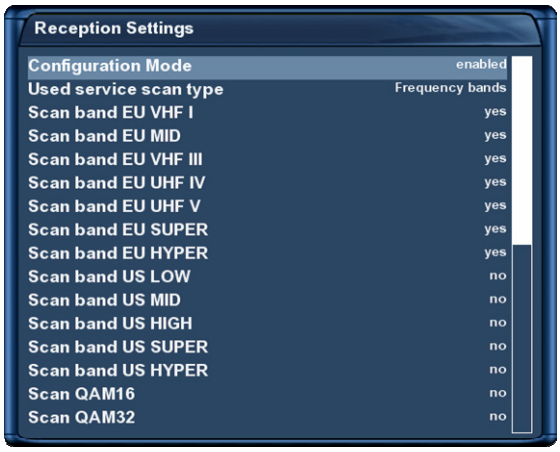
Frequency bands

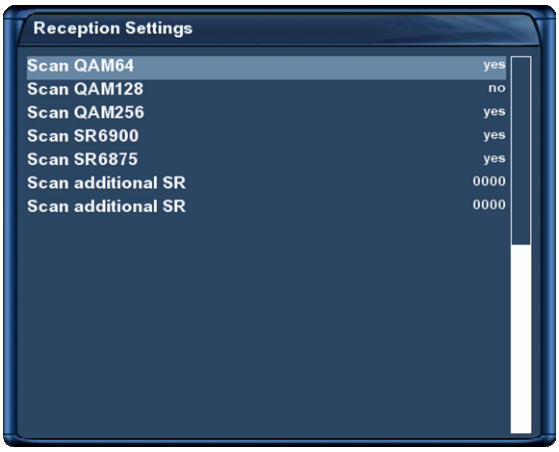
This type of searching scans the frequencies used by most cable providers. This setting is the default.

Use the **Navigation-Buttons left/right** to set the “Used service scan type” option to “Frequency bands”.

Press the **OK-Button** to save your settings.

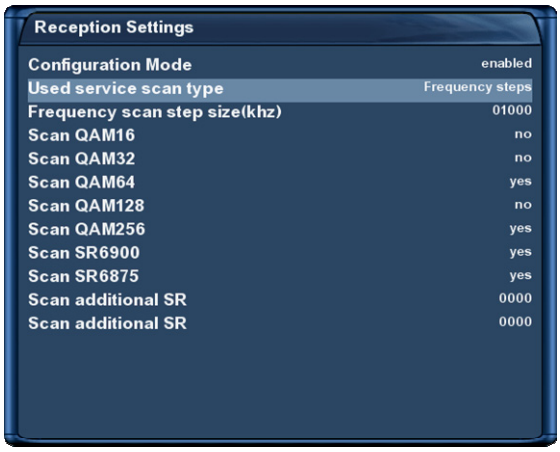
You will be taken back to the “Select slot” menu.


Reception Settings
Configuration Mode enabled
Used service scan type Frequency bands
Scan band EU VHF I yes
Scan band EU MID yes
Scan band EU VHF III yes
Scan band EU UHF IV yes
Scan band EU UHF V yes
Scan band EU SUPER yes
Scan band EU HYPER yes
Scan band US LOW no
Scan band US MID no
Scan band US HIGH no
Scan band US SUPER no
Scan band US HYPER no
Scan QAM16 no
Scan QAM32 no



Frequency steps

This type of searching scans the set frequencies step by step in a set increment.



Use the **Navigation-Buttons left/right** to set the "Used service scan type" option to "Frequency steps".

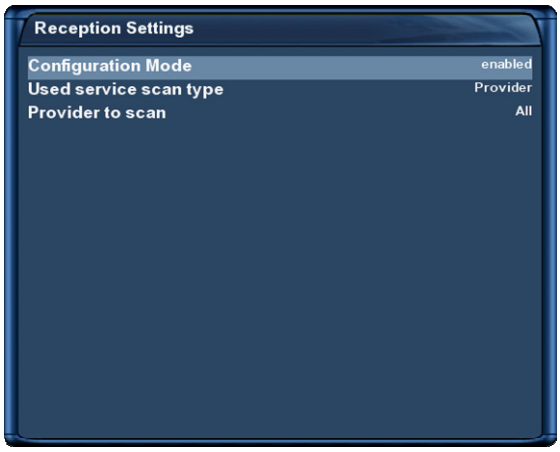
Frequency scan step size (kHz): Use the **Numeric-Keypad** to set the step increment.

Press the **OK-Button** to save your settings.

You will be taken back to the "Select slot" menu.

Provider

This type of searching scans using a list of known providers.



Use the **Navigation-Buttons left/right** to set the "Used service scan type" option to "Provider".

Press the **OK-Button** to save your settings.

You will be taken back to the "Select slot" menu

11.3 DVB-T Tuner configuration

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.

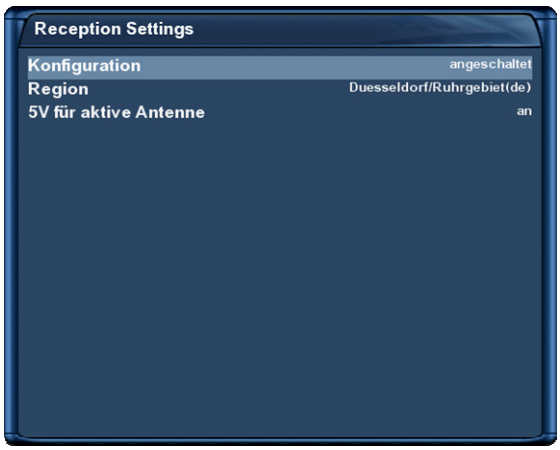
   - The “Service searching” menu will open up.

2. Navigate to the option “Tuner configuration” and press the **OK-Button**.

   - The “Choose tuner“ menu will open up.

3. Use the **Navigation-Buttons up** and **down** to select the DVB-T Tuner and press the **OK-Button**.

   - The “Reception settings” menu will open up.



Choose your region by pressing the **Navigation-Buttons left/right**.

If you have connected an active antenna and you want to run the antenna without it’s original power supply set the “Enable 5V for active antenna” option to “On”.

Press the **OK-Button** to save your settings.

11.4 Automatic scan

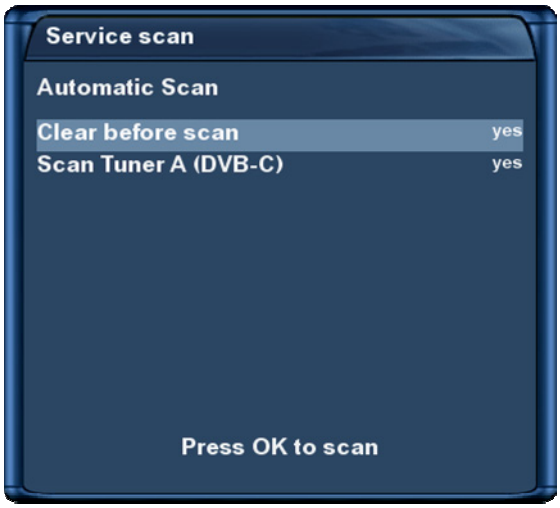
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.

   - The “Service searching” menu will open up.

2. Navigate to the option “Automatic scan” and press the **OK-Button**.

   - The “Automatic scan” menu will open up.



Set the “Clear before scan” option to “Yes” if you want to delete all services before the scan starts. Otherwise leave the setting to “No” which results in only new services being added to the channel list. To find the new services press the **Navigation-Buttons up/down** and afterwards the green Options-Button to access the “Satellites” view. You will find them under “New”.

Use the **Navigation-Buttons up/down** to select a tuner and the **Navigation-Buttons left/right** to enable or disable the scan for the selected tuner.

Press the **OK-Button** to start the scan.

You can see the progress of the scan here.

The scan is done once you see this menu.

It shows how many channels were found during the scan.

Press the **OK-Button** to close this menu.

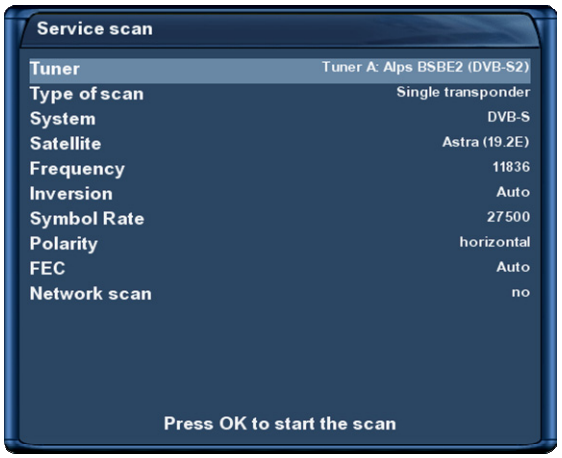
11.5 Manual scan

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Setup” and press the **OK-Button** to select.

1. Navigate to the option “Service searching” and press the **OK-Button**.

   - The “Service searching” menu will open up.

2. Navigate to the option “Manual scan” and press the **OK-Button**.



The “Service scan” menu will open up.

Use the **Navigation-Buttons left/right** to select the tuner on which you want to run the manual service scan.

All other options can be changed by using the **Navigation-Buttons left/right** and depend on the type of tuner that you want to run the scan on.

Press the **OK-Button** to start the manual scan.

12. Updating the software

12.1 Backing up your settings

Before installing newer software on your Dreambox you should backup your settings, otherwise they will be lost.

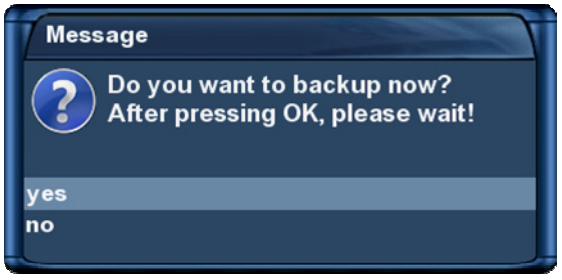
If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Games/Plugins” and press the **OK-Button** to select.

Navigate to the option “Backup/Restore” and press the **OK-Button**.

Set the “Backup Mode” option to “only /etc/enigma2 directory”.

Set the “Backup Location” option to “Harddisk”.

Press the **blue Options-Button** to start the backup.



You will be prompted if you want to backup now.

Answer with “yes”.

You will get an “Execution finished” message if the backup process was successful.

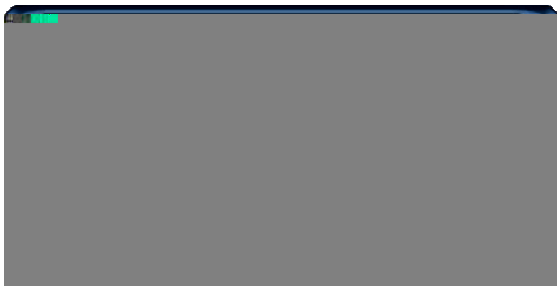
12.2 Restoring your settings

Please read chapter 12.1 to find out how to get into this menu.

Press the **yellow Options-Button** to start restoring your settings.

You will be prompted with a list of backups that you have made so far.

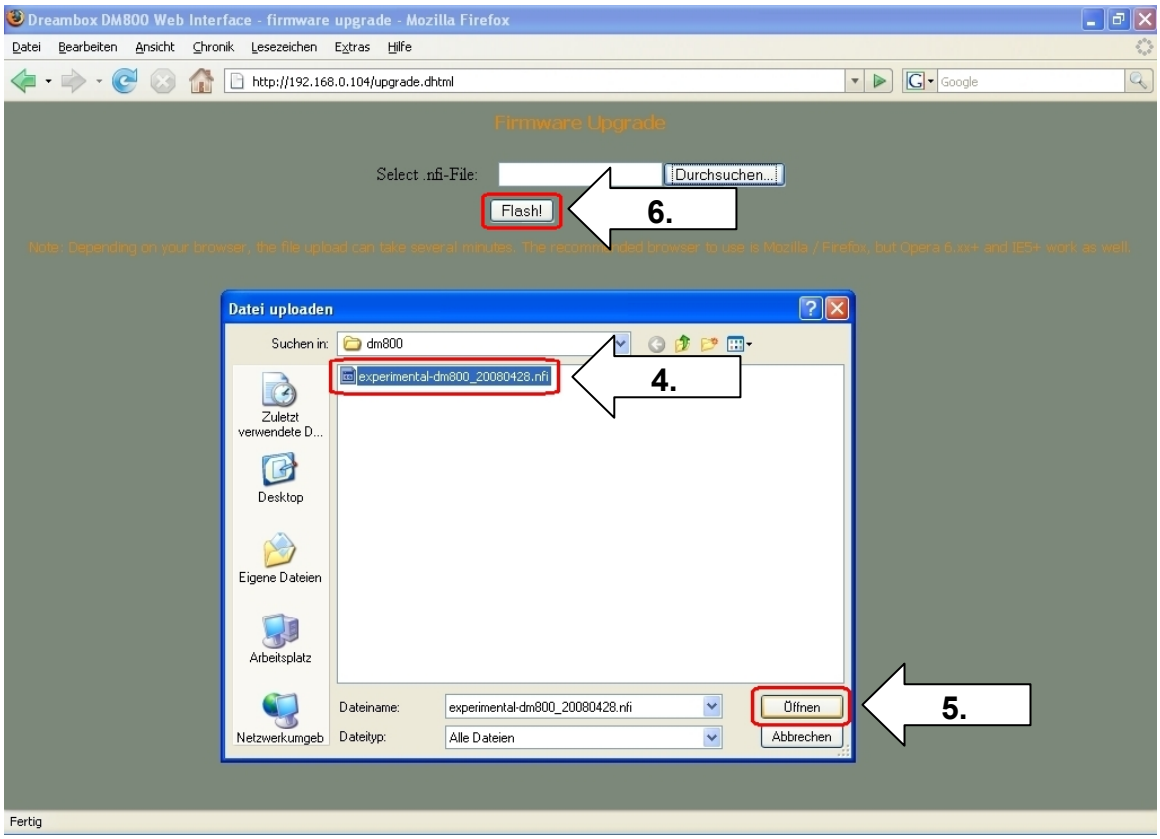
Select the desired backup and press **the yellow Options-Button** to restore your settings.

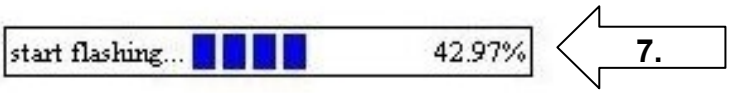


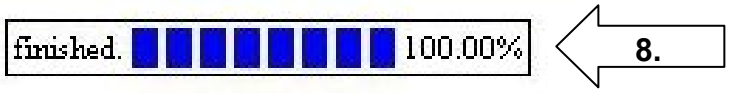
You will be prompted if you want to restore now.

Answer with “yes “.

The system will reboot with your desired settings.







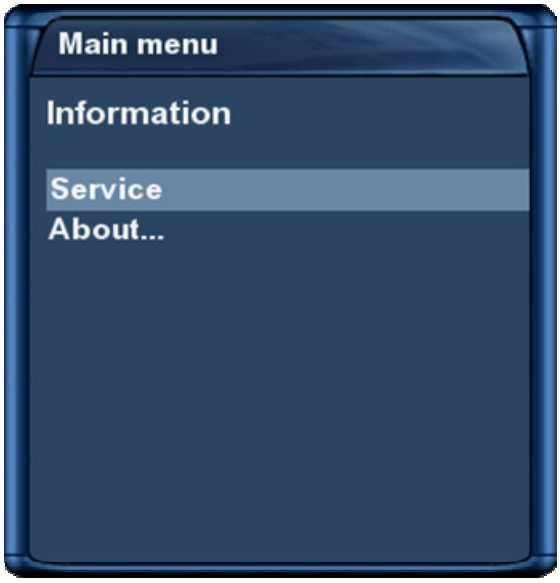
After you have successfully finished flashing the new software image onto your Dreambox press the Power-Button on the front cover. Your Dreambox will turn off. Press the Power-Button again to start your Dreambox.

The new software should now be installed and running.

13. Systeminformation

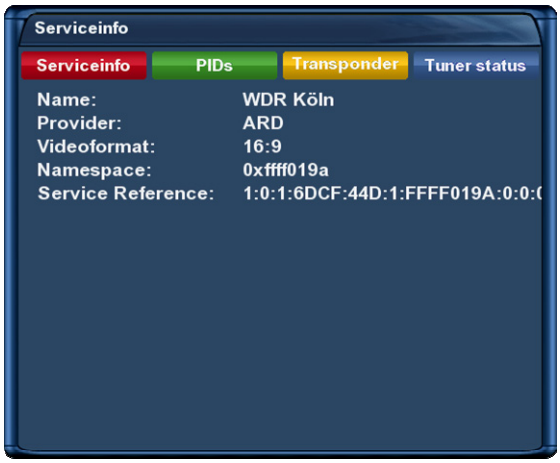
13.1 Service

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Information” and press the **OK-Button** to select.



The “Information” menu will open up.

Navigate to the option “Service” and press the **OK-Button**.



This window shows detailed technical information about the current service.

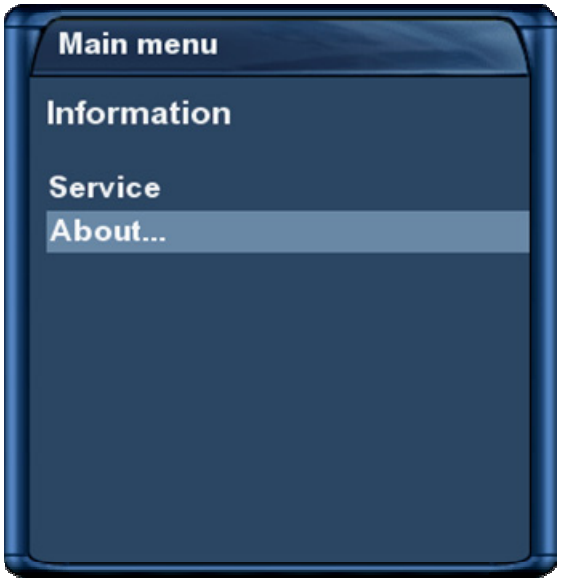
Press one of the four **Options-Buttons** to get the following information:

red = Serviceinfo
green = PIDs
yellow = Transponder
blue = Tuner status

Press the **OK-Button** to close this menu.

13.2 About (Hard- and Software)

If no OSD menu is visible on your screen, press the **Menu-Button** to open the main OSD menu. Navigate to the option “Information” and press the **OK-Button** to select.



The “Information” menu will open up.

Navigate to the option “About…” and press the **OK-Button**.

This window shows all relevant information about the Hard- and Software of your Dreambox.

Press the **OK-Button** to close this menu.

14. Troubleshooting

Problem	Possible cause	Solution
No audio, no video, OLED-Display lit	Faulty wiring	Check wiring and connections
	Faulty LNB	Exchange LNB
	Wrong Tuner setting	Review settings (see 11.1 DVB-S configuration)
	Dish aligned incorrectly	Realign dish
Beamlike blackouts in the video	Heavy rain or snow	Remove snow from dish
	Dish aligned incorrectly	Realign dish
	Dish is too small	Install larger dish
	An obstacle between dish and satellite (e.g. house or tree)	Reposition dish so it has a clear “view” towards the satellite
No reception on a channel that was working before	Dish aligned incorrectly or faulty	Check dish
	Channel is transmitted in a new slot	Start service scan (see chapter 11)
	The transmission of the channel was terminated	_____
You cannot record anything anymore	Hard disk is full	Delete no longer needed recordings
Remote control is not working	Batteries are inserted incorrectly	Remove batteries and check polarity
	Batteries are empty	Insert new batteries
	Wrong remote control mode (Dream-Mode, TV-Mode)	Press Dream-Mode or TV-Mode button
	Software is not reacting	Reboot Dreambox
Dreambox does not react	Dreambox is locked up	Reboot Dreambox

15. TV-Mode setup

A four digit device code is selected from the **device list** and entered into the remote control. The most recent **device list** can be found in the download center on our website.

Homepage: www.dream-multimedia-tv.de

15.1 Programming the remote control

- Press the **TV-Mode-Button** once.
- Press the **SHIFT/Setup-Button** for 3 seconds, the **TV-Mode-Button** will flash twice.
- Use the **Numeric-Keypad** to enter the four digit device code into the remote control. The **TV-Mode-Button** will flash once for every digit you enter. Once you have entered all four digit the **TV-Mode-Button** will flash twice.
- The remote control exits the programming mode automatically.
- If no code is entered within 10 seconds the remote control will exit the programming mode automatically.

16. Technical data

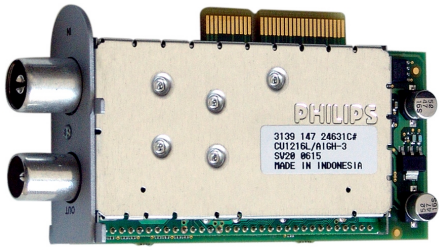
- 300 MHz MIPS Prozessor
- Linux operating system
- MPEG2 / H.264 Hardware decoding (DVB compliant)
- 1 x Smartcard-Reader
- 10/100 Mbit compatible Ethernet Interface
- Internal SATA Connector: Support for all regular hard disks (2,5" SATA) or use it as the external eSATA connector
- 2x USB 2.0 port
- DVI
- Serial V.24/RS232 port
- OLED-Display
- Tuner variations NIMs (DVB-S, DVB-C, DVB-T)
- Tuner Module, Plug&Play
- 256 MByte RAM
- 64 MByte Flash
- S/P-DIF optical digital audio out
- 1 x Scart-Output (RGB, FBAS or S-Video)
- External 12V power supply (DVE Modell: DSA-36W-12)

Additional info:

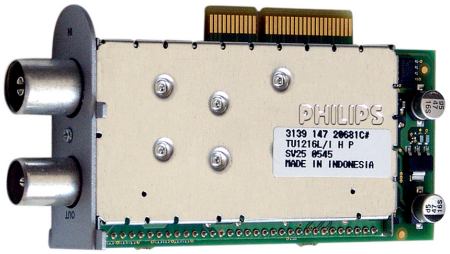
DBS-Tuner with DVB-S2:
Frequency Range: 950 - 2150 MHz
Demodulation DVB-S (QPSK); DVB-S2 ((8PSK,QPSK)
Symbolrate DVB-S: 2 ... 45 Mbaud/s, SCPC/ MCPC
DVB-S2: 10 – 31 Mbaud/s (8PSK) , 10 –30 Mbaud/s (QPSK)

DBS-Tuner without DVB-S2:
Frequency Range 950 - 2150 MHz
Demodulation DVB-S (QPSK)
Signal Level - 65 dBm - 25 dBm
DBS-Tuner Input Connector F-Type female
Input Impedance 75 Ohm
Loop Through interner Loop Trough
AFC +/- 3 MHz
DVB-S:Viterbirates 1/2, 2/3, 3/4, 5/6, 7/8, automatical adjustment (K=7)
Roll-off Factor 35 %

DVB/C-Tuner (plugable):
Input/Loop through Connector IEC 169-24, Female
Frequency Range 50 - 870 MHz
Signal Level Input -20 - 25dBm
Demodulation QAM
Constellation 16, 32, 64, 128 and 256 QAM
Input Symbol Rate 7.252 Msps max.



DVB/T-Tuner (plugable):
Input/Loop through Connector: IEC 169-24, Female/Male
Frequency Range: VHF(174 ~ 230MHz), UHF(470 ~ 862MHz)
Signal Level Input: -78 - 20dBm
Aerial supply: 5V, max. 100mA
Demodulation: OFDM
Carrier Mode: 2k and 8k hierarchical/non-hierarchical
Constellation: QPSK, 16 and 64 QAM
Guard Interval: 1/4, 1/8, 1/16 and 1/32



Video decoder:
Video Compression MPEG-2 and MPEG-1 compatible, H.264
Video Formats 4:3 / 16:9
Letterbox percolating for 4:3 TV-Device

Audio decoder:
Audio compression MPEG-1 & MPEG-2 Layer I and II
Audio Mode Stereo, Dolby Digital
Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

Analog output:
Output Level L/R 0,5 Vss on 600 Ohm
THD > 60 dB (1 kHz)
Crosstalk < -65 dB

Digital output:
Output Level 0,5 Vss on 75 Ohm
Sampled Data Filtering 32 kHz, 44.1 kHz, 48 kHz
S/P-DIF-Output optical (AC3)

Video output:
Output Level FBAS 1 Vss +/- 0.3 dB on 75 Ohm

Video parameter:
Input Level FBAS 1 Vss +/- 0.3 dB on 75 Ohm
Teletext filter in conformity with ETS 300 472 Standard

TV-Scart:
Output: FBAS,RGB,S-VHS over OSD selectable

Serial Interface RS 232:
Type RS232 bidirectional
Bitrate 115,2 kBit/s max.
Plug Connector SUB-D-9
Function Update of Firmware and Preprogramming

Ethernet:
100 Mbit compatible, bi-directional interface
Function Update of Firmware and Preprogramming

SATA port:
Connection of an internal 2,5“ SATA hard disk
or connect an external hard disk on the eSATA connector

USB:
2x USB 2.0 Host Connector

LNB power and polarization per tuner:
LNB Current 500mA max. ; short-circuit-proof
LNB Voltage vertical < 14V without load, > 11,5V at 400mA LNB
Voltage horizontal < 20V without load, > 17,3V at 400mA LNB
LNB shut-off at Standby-Mode

Count of active satellite positions:
DiSEqC V1.0/1.1/1.2/1.3 (USALS)

OLED-Display:
The OLED will lose its brightness after roughly 40.000 hours of operation.
If the loss of brightness is too strong after this period, the OLED can be replaced with a new one.

Power consumption:
< 15W on 12V

Input voltage:
DC12V +/- 15%

Externes power supply: (DVE Modell: DSA-36W-12)
Input:
110-240V AC / 50-60Hz / 0,6A
Output:
12V = / 2,0A

Physical specification:
Ambient Temperature +15°C...+35°C
Humidity < 80%
Size (W x D x H): 374 mm x 230 mm x 75 mm
Weight: 2,2 kg without HDD

17. Features

- Single-EPG (Electronic Program Guide): sortable by date or alphabetically
- Automatic search for additional air dates of a show and easy recording them by timer
- Multi-EPG: graphically and text-based
- Timeshift
- List of recordings: sortable by date or alphabetically and free choice of different views
- Timer programming manually or by EPG
- Individually configurable timers, e.g. single or recurring timers
- DiSEqC 1.0/1.1/1.2/1.3 (USALS)
- Channel change in less than a second
- Start wizard for initial setup
- Pre-installed service list for DVB-S
- Support of favorite lists
- full automatic channel scan
- DVB/Teletext subtitle
- Integrated Teletext with level 2.5 support
- Radiotext / Rass (Infos unter www.rass.tv)
- Parental control
- Sleeptimer
- Easy expansion of the base function with the use of Plugins
- Remote controllable via Web-Interface and streaming of the TV-/Radio stations to any PC connected to the Dreambox through network
- MP3 playback
- Skinable OSD in many languages

18. Contact & support information

Headquarter & Distribution:

Dream-Multimedia
Sales and distribution through Visoduck Discount GmbH
Pierbusch 24-26
44536 Lünen
Germany

Dealer's Hotline:
(Dealers only)
Tel.: +49 (0)180 - 368 43 98 - 000 (0,09€/min.)
Fax: +49 (0)180 - 368 43 98 - 001 (0,09€/min.)

You can reach the dealer's hotline from :
Mo - Fr. 09:00 am - 12:00 pm and 01:00 pm - 03:00 pm

Technical Hotline:
Tel.: +49 (0)180 - 368 43 99 - 777 (0,09€/min.)
Fax: +49 (0)180 - 368 43 99 - 778 (0,09€/min.)

You can reach the technical hotline from:
Mo - Fr. 09:00 am - 12:00 pm and 01:00 pm - 03:00 pm

Dealers & Pricing:
E-Mail: info@dream-multimedia-tv.de

Technical Support:
E-Mail: support@dream-multimedia-tv.de

Website:
Weblink: http://www.dream-multimedia-tv.de

Support Forum:
Weblink: http://www.dream-multimedia-tv.de/board

Software Support (actual images):
Weblink DM 800 HD PVR: http://www.dm800.de

---

19. Copyright notes

© Dream-Multimedia 2008. All rights reserved.

This product contains files that are distributed under different licenses, especially a Open Source License, the GNU General Public License. You can find details about this License on the next three pages. Additional notes about the source code and patches under The GPL license can be found on the internet under this link:

http://www.dream-multimedia-tv.de/deutsch/downloads.php

19.1 GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

> **a)** You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
>
> **b)** You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
>
> **c)** If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

> **a)** Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
>
> **b)** Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
>
> **c)** Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for non commercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

20. Menu overview